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SIMPSON

SEED AND FLORAL CO.

1551 CHAMPA ST. DENVER COLO.



GARDEN SEEDS FLOWER

VEGETABLE
SEED TRADING
HORTICULTURE

MAR 3 1933

WILT RESISTANT ASTERS

INTRODUCED FOR THE FIRST TIME THIS YEAR

COLORS—

AZURE BLUE

CRIMSON

LIGHT ROSE

PURPLE

SHELL PINK

WHITE

MIXED



PRICES—

LARGE PKT.

SEPARATE

COLORS

25c EACH

MIXED

COLORS

20c

FOR OTHER ASTER SEEDS, SEE PAGE 3

The WILT disease of Asters is caused by a fungus which may attack the plant at any stage in its growth. The spores of the fungus may be carried on Aster seed and on inert matter with the seed, on garden implements, and in the soil itself. When once introduced into the soil, it persists indefinitely and makes the land "aster sick," that is, the fungus will re-appear when any ordinary aster seed is again planted in that soil.

This WILT resistant strain, however, is one which, although planted on the very

sickest soil available, will withstand the attacks of the fungus and develop into strong, healthy plants.

It must not be taken for granted, however, that this WILT resistant strain is guaranteed against Aster Yellows, or other Aster diseases, for this is not the case. So far as known there is no known method of combatting the Yellows disease, except by growing the plants in a protected space where the leaf hoppers, which carry the yellows virus, may not reach the plants.

for better annuals

VIGORO

Complete plant food

This WILT RESISTANT strain was selected by the Seed Trade Association among the ALL AMERICAN SELECTIONS of FLOWER VARIETIES for 1933. It will bring back the ASTER to the popularity it has enjoyed for over 50 years.

EVER GREEN

KILLS ANTS AND GARDEN INSECTS

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Gardening Made Easy

MODERN SCIENCE HAS MADE GARDENING A PLEASURE INSTEAD OF A DRUDGE

First and foremost among the latest guides to home gardening is the NEW GARDEN TREASURE BOX Sponsored by Swift & Company.

Briefly described, this NEW GARDEN TREASURE BOX is—



A substantial, attractive cardboard box containing 122 handy cards chuck full of information pertaining to gardening.

It answers just about every question you could possibly ask about Annuals, Perennials, Rock Garden Plants, Shrubs, Trees, Vines, etc.

It contains a month by month gardening calendar, suggestions for color combinations, tells how to deal with garden pests, how to prune plants and trees, how to care for lawns, etc.

It contains, boiled down, thousands of pages of gardening advice, all card indexed so that you can immediately find just the information you want.

HOW MAY I OBTAIN THIS WONDERFUL TREASURE BOX?

With every purchase of VIGORO (see page 35), (25 pounds or more), this box may be had for only 25c, just enough to help cover part of the preparation cost.

*The square meal
for flowers is
4 lbs of Vigoro
per 100 sq ft.*

Annual Flower Seeds

ALL POSTPAID

PLANT MORE ANNUALS. Many of our most beautiful flowers will be found in this list of ANNUALS. For PERENNIAL flower seeds see page 8.

We also list started plants of many PERENNIAL flowers on pages 22 and 23.

ACROCLINIUM (Everlastings)

Graceful, daisy-like flowers. Can be cut when in bud and used for winter bouquets. Pkt. 10c; ¼ oz. 20c.

AGERATUM

Light blue, low and compact. Pkt. 10c; ¼ oz. 25c.

ALYSSUM, SWEET

Little Gem. Low and compact, pure white. Pkt. 5c; ¼ oz. 15c.

Maritimum. Honey scented, white. Pkt. 5c; ½ oz. 15c.

AMARANTHUS

Caudatus. Drooping red spikes. Pkt. 5c; ¼ oz. 15c.

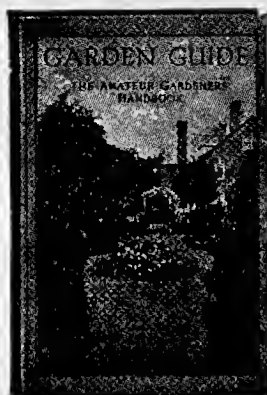
Mixed. Many varieties. Pkt. 5c; ¼ oz. 15c.

ANTIRRHINUM (Snapdragon)

Tall, large flowered variety.

Coral Rose. Shell pink.
Golden King. Giant yellow.
Othello. Dark maroon.
Queen Victoria. White.
Scarlet Defiance. Rich red.
Good Mixture. All colors.

Any of the above: Pkt. 10c; ¼ oz. 25c.



Other
Garden
Books
on
Page
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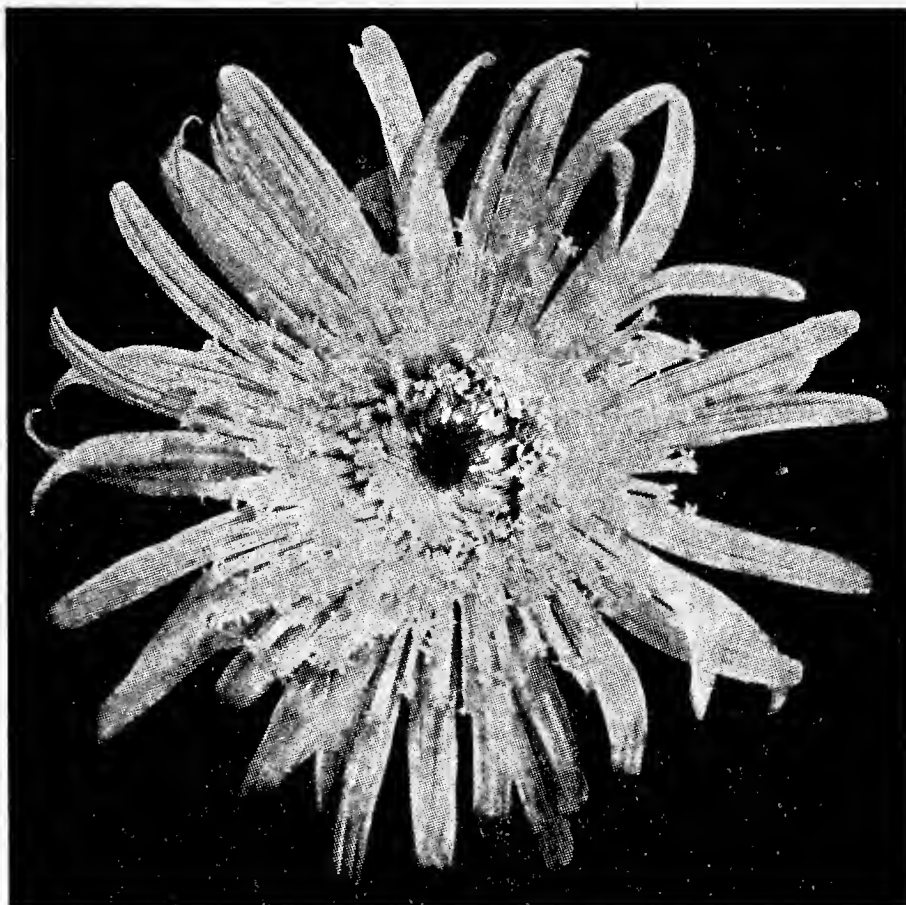
ASTERS

For WILT RESISTANT ASTERS, see inside front cover.

NEW GIANT CALIFORNIA SUNSHINE ASTER, the most beautiful aster imaginable. At present produced in mixed colors only. Outer petals always come in different colors from the inner petals. Anemone-flowered type (see picture) and in delicate pastel shades.
Pkt. 25c; $\frac{1}{8}$ oz. \$1.00.

GIANT BRANCHING ASTERS (Improved Crego). Selected stock in seven colors, lavender, rose-pink, shell-pink, azure blue, crimson, white, purple.
Pkt. 10c; $\frac{1}{4}$ oz. 25c.
Mixed colors, pkt. 10c; $\frac{1}{4}$ oz. 20c.

AMERICAN BEAUTY ASTER. The latest and one of the finest of all the aster family. Full and double with incurving petals. 6 colors, white, purple, light pink, azure blue, crimson, rose-pink.
Pkt. 10c; $\frac{1}{4}$ oz. 25c.
Mixed colors, pkt. 10c; $\frac{1}{4}$ oz. 20c.



New Giant California Sunshine Aster

ASTER COLLECTION

Any 7 10c packets for 50c
POSTPAID

BACHELOR'S BUTTON—See Centaurea

BALSAM (Lady's Slipper)
Double Flowering. Mixed. Pkt. 5c; $\frac{1}{4}$ oz. 15c; 1 oz. 45c.

Balsam Apple. Pkt. 10c; $\frac{1}{4}$ oz. 25c.

BEANS (Scarlet Runner)
Red Climbing Bean. Pkt. 5c; $\frac{1}{4}$ lb. 20c; 1 lb. 45c.

CALENDULA (Pot Marigold)
The new varieties are much improved over the old.

Lemon Queen. Pure yellow. Pkt. 10c; $\frac{1}{4}$ oz. 15c.

Orange King. Clear, glowing orange. Pkt. 10c; $\frac{1}{4}$ oz. 15c.

Double Mixed. Shades of orange, bronze and yellow. Pkt. 5c; $\frac{1}{2}$ oz. 15c; 1 oz. 25c.

CANARY BIRD VINE
Rapid climber. Mixed colors. Pkt. 10c; $\frac{1}{4}$ oz. 15c.

CALIFORNIA POPPY (Eschscholtzia)
True California. Orange. Pkt. 5c; $\frac{1}{2}$ oz. 20c; 1 oz. 35c.

Crimson. Pkt. 10c; $\frac{1}{4}$ oz. 25c.

Mixed. Pkt. 5c; 1 oz. 25c; 1 lb. 75c.

CALLIOPSIS
Mixed. Pkt. 5c; $\frac{1}{4}$ oz. 10c; 1 oz. 25c.

CANDYTUFT
Separate colors: White, lavender or crimson. Pkt. 5c; $\frac{1}{4}$ oz. 20c.

Mixed. Pkt. 10c; $\frac{1}{2}$ oz. 15c; 1 oz. 25c.

CANNA
Mixed Hybrids. Pkt. 5c; $\frac{1}{4}$ oz. 15c.
For Canna Bulbs see page 25.

CARDINAL CLIMBER
Rapid climber with red flowers. Pkt. 10c.

CASTOR OIL BEANS
Red Stem. With green leaves, 6 to 8 feet.
Pkt. 5c; 1 oz. 20c.

Giant Zanzibariensis. 8 to 10 feet. Pkt. 5c; 1 oz. 25c.

CELOSIA (Coxcomb) **EXTRA LARGE CRISTATA**. Round, compact heads in many colors. Pkt. 10c.

Plumosa. Plumed. Pkt. 10c; $\frac{1}{4}$ oz. 25c.

CENTAUREA
Cyanus (Bachelor's Button). Pkt. 5c; $\frac{1}{4}$ oz. 15c; 1 oz. 40c.

Imperialis (Sweet Sultan). Pkt. 5c; $\frac{1}{4}$ oz. 20c.

CHINESE LANTERN
Physalis. Lantern-shaped pods. Pkt. 10c.

CHRYSANTHEMUM
Mixed colors. Pkt. 5c; $\frac{1}{4}$ oz. 15c.



CLARKIA

Elegans. Mixed Pkt. 5c; ¼ oz. 20c.

COBOEA SCANDENS

Climber, with purple flowers. Pkt. 10c; ¼ oz. 25c.

COXCOMB—See Celosia

COSMOS

Early Flowering. White, pink or crimson. Pkt. 5c; ¼ oz. 20c; 1 oz. 50c. Mixed. Pkt. 10c; ½ oz. 25c; 1 oz. 45c. Double Crested. New variety. Mixed. Pkt. 10c; ¼ oz. 50c.

CYPRESS VINE

Popular climber. Pkt. 5c; ¼ oz. 20c; 1 oz. 60c.

DAHLIA—For bulbs see pages 26 and 27. Mixed Seed. Pkt. 10c; ½ oz. 40c.

DAISY

African Daisy. Brown eye. Pkt. 10c; ¼ oz. 35c. English Daisy. See page 8. Painted Daisy. See page 8. Marguerite. Large white. Pkt. 10c; ½ oz. 20c.

EVERLASTINGS

All kinds, mixed. Pkt. 5c; ¼ oz. 25c.

FOUR O'CLOCK

All colors mixed. Pkt. 5c; oz 15c.

GERANIUMS

Single and Double. Mixed. Pkt. 10c; ½ oz. 50c.

GERBERA (Transvaal Daisy). New giant Hybrids. A perfectly formed daisy-like blossom 2 to 4 inches across, borne on long stems. Most excellent cut flowers. All shades mixed. 25 seeds for 25c.



GOURDS

GLOBE AMARANTH (Everlastings). Mixed. Pkt. 5c.

GODETIA

Excellent for shady places. Very attractive. Mixed. Pkt. 5c; ¼ oz. 20c.

GOURDS

Dipper, Nest Egg, Hercules Club, Dishcloth, Calabash and Mixed. Pkt. 5c; 1 oz. 15c.

GYPSOPHILA

Elegans. Annual, used in bouquets. Pkt. 5c; ¼ oz. 10c; 1 oz. 30c.

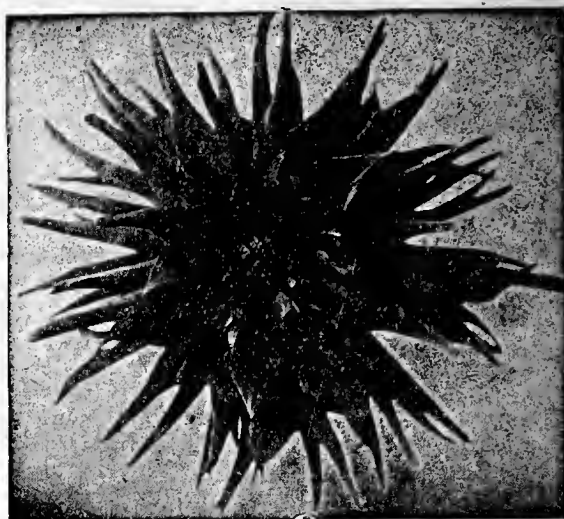
HELICHRYSUM (Strawflowers). All colors mixed. Pkt. 5c; ¼ oz. 15c; 1 oz. 50c.

HELIOTROPE

Very fragrant. Pkt. 10c; ½ oz. 40c.

HYACINTH BEAN

Rapid growing climber. Pkt. 5c; 1 oz. 15c.



GROW DAHLIAS FROM SEED

**ICE PLANT**

Trailing plant suitable for hanging baskets, walls, etc. Pkt. 10c; ¼ oz. 20c.

JAPANESE HOP VINE

Fine for covering walls, rock gardens, etc. Pkt. 5c; ¼ oz. 15c.

JOB'S TEARS

Broad, corn-like leaves, ornamental. Pkt. 5c.

KOCHIA

Summer Cypress (Mexican Fire Bush). Fine for ornamentation. Pkt. 5c; ½ oz. 15c; 1 oz. 25c.

KUDZU VINE

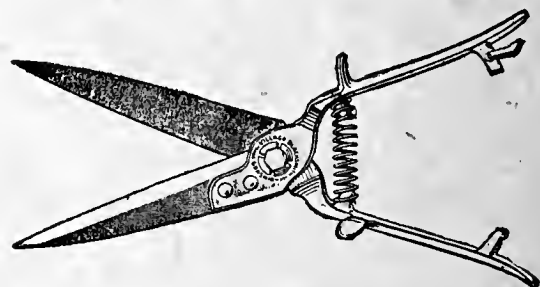
True Japanese. Pkt. 5c; 1 oz. 20c.

LACE FLOWER

Didiscus, Blue. Pkt. 10c; ½ oz. 25c.

LANTANA

Verbena-like heads of orange, rose, white and yellow. Pkt. 5c; ¼ oz. 25c.



No. 1 Grass Shear only 90c, postpaid.



LARKSPUR

Annual. Double, mixed. Pkt. 5c; ¼ oz. 20c.

LINUM

Scarlet Flax. Many brilliant colors. Pkt. 5c; ¼ oz. 15c.

LOBELIA

Crystal Palace. Dwarf blue. Pkt. 10c; ½ oz. 50c.

Gracilis. Trailing, for hanging baskets, etc. Pkt. 10c; ½ oz. 40c.

LUPINS

Mixed annuals. Pkt. 10c; 1 oz. 25c.

MARIGOLD

African. Tall, double. Pkt. 5c; ¼ oz. 20c.

French. Dwarf, double. Pkt. 5c; ¼ oz. 20c.

New Guinea Gold, a carnation-flowered Marigold, excellent for cut flowers. Gleaming golden yellow. Pkt. 20c; ½ oz. 40c.

MIGNONETTE (Musk Plant)

Machet. Fragrant. Pkt. 5; ¼ oz. 20c.

MOON FLOWER

Beautiful white climber. Pkt. 10c; ¼ oz. 20c; 1 oz. 50c.

MORNING-GLORY

Tall. Regular. Mixed colors. Pkt. 5c; 1 oz. 15c; 1 lb. \$1.25.

Japanese. Large fringed blooms. Pkt. 10c; ½ oz. 25c; 1 oz. 40c.

Heavenly Blue. Large, sky-blue. Pkt. 10c; ¼ oz. 35c; 1 oz. \$1.00.

Clark's Mammoth Blue. The finest of all. Enormous sky-blue flowers placed at regular intervals along the vine. Pkt. 10c; 1 oz. \$1.50.

NASTURTIUM

Dwarf Mixed. Large pkt. 10c; 1 oz. 15c; ½ lb. 60c.

Tall Mixed. Large pkt. 10c; 1 oz. 15c; ½ lb. 60c.

Double Golden Gleam. The outstanding introduction of recent years. 12 in., vigorous bush form, with large, semi-double golden yellow, fragrant flowers, 2 to 3 in. across. Profusely borne on erect, stiff stems, 6 in. long, above foliage. A most excellent subject for pots and boxes as well as for flower beds. Generous pkt. 15c; ¼ oz. 25c; ½ oz. 40c; 1 oz. 70c; ¼ lb. for \$2.00.

NICOTIANA

Nicotine Plant. Mixed. Pkt. 5c; ¼ oz. 20c.

NIGELLA

Love in a Mist. Pkt. 5c; ½ oz. 15c.

PANSIES

Giant Trimardeau, an enormous strain with exceptionally pretty faces. Pure White, Purple, Gold, Cardinal Red, King of The Blacks, Azure Blue. Pkt. 10c; ¼ oz. 40c; 1 oz. \$1.00. Mixed colors, a full range of all desirable kinds. Pkt. 10c; ¼ oz. 30c; 1 oz. 80c.

SPECIAL OFFER 1 pkt. each of
above 6 colors, and 1 pkt. mixed,
all for

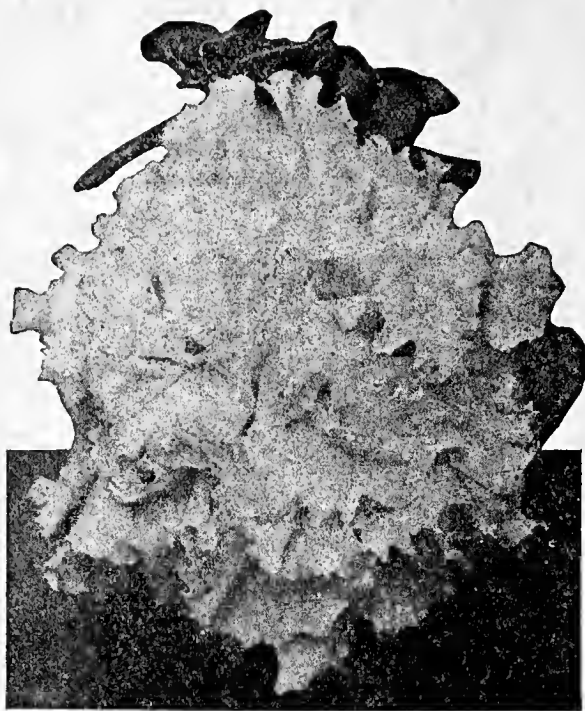
50c

PANSY PLANTS, strong, vigorous plants, 50c doz.
postpaid.



Giant Pansies

NASTURTIUM, DOUBLE GOLDEN GLEAM, described above, was the most startling novelty last year. The supply of seed was exhausted early in the season, and many flower lovers were thus unable to obtain even a single seed. Our supply for 1933 is probably ample, but we suggest that you order early, and thus make sure that you will not be again disappointed.



Petunia

PETUNIAS

Rose of Heaven. An improved Rosy Morn, flowers a little larger, and color somewhat deeper pink. Pkt. 15c; $\frac{1}{8}$ oz. 60c.

Rosy Morn. Clear, soft pink, dwarf, an exceedingly prolific bloomer. Pkt. 15c; $\frac{1}{8}$ oz. 50c.

Giants of California. The largest single, with frilled petals. Pkt. 35c.

Mixed Hybrid Petunias. Many colors. Pkt. 15c; $\frac{1}{8}$ oz. 40c.

Striped and Blotched, very large and very attractive. Pkt. 15c; $\frac{1}{8}$ oz. 50c.

PHLOX

Drummond. Mixed. Pkt. 10c; $\frac{1}{8}$ oz. 20c; 1 oz. \$1.15.

Star. Mixed. Pkt. 10; $\frac{1}{8}$ oz. 25c; 1 oz. \$1.25.

Hardy Phlox Roots see page 23.

PINKS

Imperialis. Double fringed. Pkt. 10c; $\frac{1}{4}$ oz. 25c; 1 oz. 75c.

Crimson Bedder. Double as a carnation. Pkt. 15c.

PORTULACA

Moss Rose. One of the best ground coverers.

Pkt. 10c; $\frac{1}{2}$ oz. 35c; 1 oz. 60c.

Double. Mixed. Pkt. 10c; $\frac{1}{8}$ oz. 50c.

POPIES

Shirley. Mixed. Single, free blooming and large. Pkt. 5c; 1 oz. 25c.

Single. Mixed. Many varieties suitable for mass bedding. Pkt. 5c; 1 oz. 20c.

Double. Mixed. Blooms are large and attractive. Pkt. 5c; 1 oz. 20c.

Flanders. A popular variety since the war. Pkt. 5c; $\frac{1}{2}$ oz. 25c; 1 oz. 40c.

California Poppy, see page 3.

Hardy Poppies, page 23.

SALPIGLOSSIS

Mixed colors, blooms are velvety and attractive. Pkt. 10c; $\frac{1}{8}$ oz. 35c.

SALVIA (Scarlet Sage)

Splendens. Pkt. 10c; $\frac{1}{8}$ oz. 60c.

Farinacea. Blue. Pkt. 10c; $\frac{1}{8}$ oz. 75c.

SCABIOSA (Mourning Bride)

Special mixture. Pkt. 10c; $\frac{1}{4}$ oz. 25c.

SCHIZANTHUS (Poor Man's Orchid)

Pkt. 10c; $\frac{1}{4}$ oz. 25c.

SNAPDRAGON—See Antirrhinum

STOCKS

Dwarf. Ten weeks, mixed. Pkt. 10c; $\frac{1}{8}$ oz. 35c.

SUNFLOWER

Giant Russian. Pkt. 5c; $\frac{1}{4}$ lb. 10c; 1 lb. 25c.

Chrysanthemum Flowered. Double. Pkt. 10c; 1 oz. 25c.

SWEET PEAS—See page 7.

THUNBERGIA

Black-Eyed Susan. Climber. Pkt. 10c; $\frac{1}{8}$ oz. 30c.

VERBENA

Mammoth. White, Yellow, Scarlet, Purple, separate colors. Pkt. 10c; $\frac{1}{8}$ oz. 25c.

Mammoth Mixed. Pkt. 10c; $\frac{1}{8}$ oz. 15c; 1 oz. \$1.00

WILD FLOWER GARDEN

A surprise mixture containing many novelties. Pkt. 10c; 1 oz. 50c.

WOOLFLOWER

A Chinese introduction. Pkt. 10c; $\frac{1}{4}$ oz. 50c.

Zinnias

Giant Dahlia-Flowered Zinnias

Crimson Monarch. Best enormous red.

Exquisite. Light rose-pink.

Dream. A fine deep lavender.

Old Rose. Old rose shade.

Polar Bear. Pure white.

Purple Prince. Fine, deep purple.

Generous packets of any of the above named varieties, 10c; $\frac{1}{4}$ oz. 35c; 1 oz. \$1.25.

Dahlia-Flowered Mixed. All colors and shades. Pkt. 10c; $\frac{1}{4}$ oz. 25c; 1 oz. 90c; $\frac{1}{2}$ lb. \$3.00.

New Giant Flowered Mammoth, or Colossal Zinnias

Royal Purple

Lavender

Bright Rose

Blood Red

Burnt Orange

Apricot Yellow

Flesh Pink

Golden Yellow

Separate colors as above. Large pkt. 10c; $\frac{1}{4}$ oz. 20c; 1 oz. 50c; $\frac{1}{2}$ lb. \$3.00

Giant Flowered Mixed. Pkt. 10c; $\frac{1}{4}$ oz. 15c; 1 oz. 40c; $\frac{1}{2}$ lb. \$2.50

Pompon Zinnias

Beautiful dwarf double variety for borders, etc. Mixed colors. Pkt. 10c; $\frac{1}{4}$ oz. 20c; 1 oz. 60c; $\frac{1}{2}$ lb. \$3.25.

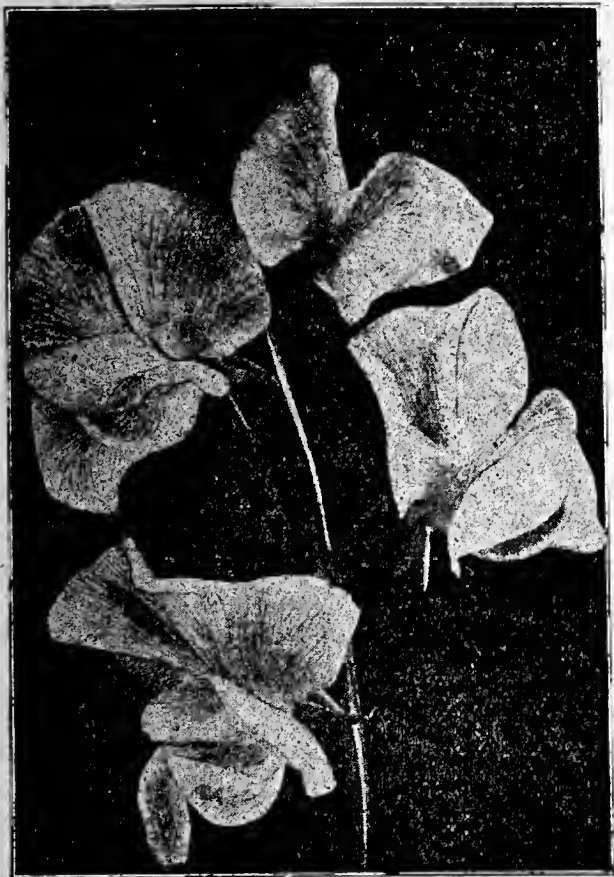
Sweet Peas

GIANT FLOWERING SPENCER TYPE
The World's Finest Orchid Flowering

GIANT ORCHID FLOWERING SPENCER TYPE

The kind that produce those large fluted flowers, 3 to 4 to each stem.

PRICES Large packets, 10c; ½ oz. 15c; 1 oz. 25c; ¼ lb. 75c. **POSTPAID.**



SWEET PEAS are heavy feeders. A light application of **VIGORO**, sprinkled over the surface of the soil, then roughed up and watered thoroughly, every six weeks, will insure luxuriant growth of both vine and flower.



NITRAGIN BACTERIA for sweet peas, 25c full directions with each package.

Early Flowering Sweet Peas

These early flowering varieties were first brought out for the greenhouse trade. The colors are brighter than the ordinary Spencer varieties and they bloom fully three weeks earlier. Extensive experiments in Colorado have shown that they are perfectly adaptable to out-door culture. If you like those exquisite pastel shades that you buy in flower stores, try some of these **EARLY FLOWERING VARIETIES**.

PRICES—Pkt. 10c; ¼ oz. 20c; ½ oz. 35c; 1 oz. 55c.

BURPEE'S ORANGE, deep orange.
COLUMBIA, pink and white.

AUSTIN FREDRICK IMPROVED, the best lavender, large, bright and clear.

BLUE BIRD, a medium blue of extra size.

CAMPFIRE, the brightest crimson imaginable, our choice of all the reds.

COLORADO, a dazzling orange in all its richness and purity.

CONSTANCE HINTON, a mammoth white, with black seeds, therefore extra hardy.

CRIMSON KING, regarded by many growers as the best of the deep crimsons.

DAFFODIL, a vigorous variety with exquisitely frilled deep cream blooms.

ELFRIDA PEARSON, a large shell-pink, with deeper pink margins.

GOOD CHEER, a new cerise-rose with begonia shade, a novelty and a beauty.

HEBE, this bright, giant rose-pink is one of the choice deeper pinks.

KING WHITE, most remarkable for its glistening purity. A white you will like.

MAJESTIC CREAM, a deep, rich cream. The best of its color.

MIXED SPENCERS, the finest mixture money can buy, carefully balanced as to colors. Large pkt. 10c; oz. 20c; 2 ozs. 35c; ¼ lb. 55c; ½ lb. \$1.00

ROYAL PURPLE, the richest purple yet produced.

WARRIOR, deep, reddish maroon of exceptional size and form.

FLAMINGO, orange salmon.

GLITTERS, bright, fiery orange.

GRENADIER, dazzling scarlet.

HARMONY, clear lavender.

LAVENDER KING, deep lavender.

MADONNA, giant white, black seeded.

MRS. CALVIN COOLIDGE, rich salmon pink.

MRS. HERBERT HOOVER, clear blue.

NEW BLUE, deep, clear blue.

ROSE QUEEN, rose pink.

SNOWSTORM IMPROVED, pure white.

SPRING SONG, salmon pink.

SUPERIOR PINK, new rose pink.

VULCAN, vivid scarlet.

WHITE HARMONY, pure white.

ZVOLANEK'S ROSE, giant rose pink.

FINE MIXED, a well balanced mixture of all desirable shades.

Perennial Flower Seeds

For PERENNIAL PLANTS, see pages 22 and 23

ALL POSTPAID

AMPELOPSIS (*Quinquifolia*) Climbing Woodbine, one of the most rapid spreaders, foliage turns red in fall. Pkt. 5c; 1 oz. 25c.

CANTERBURY BELL (*Campanula*), profusion of bell-shaped in white, blue and rose, mixed colors. Pkt. 10c; 1/4 oz. 20c.

CARNATION, *Marguerite*, double mixed, profusion of flowers excellent for cut flowers. Pkt. 10c; 1/4 oz. 25c.

COLUMBINE.

Aquilegia Coerulea, true Rocky Mt., beautiful blue and white, suitable for rock gardens, love shade, Mountain grown seed. Pkt. 10c; 1/4 oz. 35c; 1/2 oz. 60c.

Rainbow Mixture of native Colorado varieties. Pkt. 10c; 1/4 oz. 35c; 1/2 oz. 60c.

Vulgaris, double mixed. Pkt. 10c; 1/4 oz. 25c; 1/2 oz. 45c.

COREOPSIS, *Lanceolata*, golden yellow, very satisfactory. Pkt. 10c; 1/4 oz. 20c.

DAISY, *Double English*, mixed pink and white. Pkt. 10c; 1/4 oz. 40c.

DAISY, *Shasta-Alaska*, the largest of this variety. Very hardy, spreads rapidly and will grow anywhere. Blooms all summer. Pkt. 10c; 1/4 oz. 25c; 1 oz. \$1.50.

DELPHINIUM.

Perennial Larkspur, *Belladonna*, light blue. Pkt. 10c; 1/4 oz. 50c.

Bellamosum, dark blue with white center. Pkt. 10c; 1/4 oz. 50c.

Kelway's Hybrids, marvelous in size and beauty of combinations of colors, one of the best novelties in recent years. Pkt. 25c; 1/4 oz. 60c.

Wrexham Hollyhock Strain, the giant of them all, colors are varied and beautiful. Pkt. 25c; 1/4 oz. \$1.00.

FORGET-ME-NOT, *Myosotis*, dwarf blue. Pkt. 10c; 1/4 oz. 25c.

FOXGLOVE (*Digitalis*), purple, white and pink, mixed. Pkt. 10c; 1/4 oz. 25c.

GAILLARDIA, *Blanket Flower*, *Grandiflora*, large mixed, blooms are combinations of yellow, orange, bronze and red. Pkt. 10c; 1/4 oz. 25c.

VIGORO contains all the elements that plants need for finest growth and beauty.

for better perennials

VIGORO
Complete plant food

Use VIGORO to grow flowers more beautiful, more vivid and gay than any you have ever been able to grow before.

VIGORO is clean, odorless, easy to use. Just read the directions on each package, apply it evenly, sparingly, and wet it down. Four pounds, 16c worth, is enough for 100 square feet of garden. It will produce brighter colors in both flower and foliage. Keep it on hand at all times, use it consistently. Remember that flowers and plants must be fed regularly, even as you and I.

GEUM, *Mrs. Bradshaw*, double orange-scarlet. A very attractive perennial border plant. Pkt. 25c; 1/4 oz. 50c.

GYSOPHILA, *Baby's Breath*, *Paniculata*, single, white. Pkt. 10c; 1/4 oz. 25c.

GYSOPHILA, *Double Blossom Baby's Breath*, white. Pkt. 25c; 1/4 oz. \$2.50.

HOLLYHOCKS, *English Double*, very beautiful rose-like blooms in profusion on spikes 5 to 7 feet tall. Separate colors, white, pink, crimson, maroon and yellow. Pkts. 10c; 1/4 oz. \$1.00; mixed colors. Pkt. 10c; 1/4 oz. 65c.

HOLLYHOCKS, single and double mixed, excellent for tall border planting. Pkt. 10c; 1/4 oz. 25c.

LATHYRUS LATIFOLIUS, perennial Sweet Pea, will grow on trellis or climb on other vines, mixed colors. Pkt. 10c; 1/4 oz. 25c.

LUPINUS, profuse blooms on stately spikes, separate colors, white, pink and blue. Pkt. 10c; 1/4 oz. 20c.

PANSY-VIOLET or **TUFTED PANSY**, becoming very popular. Bloom all summer and do well in sun or shade, excellent for rock gardens, mixed. Pkt. 10c; 1/4 oz. 60c.

PHLOX, the perennial variety grows from the root each year, wide range of colors, mixed seed. Pkt. 10c; 1/4 oz. 75c.

POPPY, *Orientele*, bright scarlet, blooms often reach a size of 8 inches in diameter. Pkt. 10c; 1/4 oz. 35c; Mixed colors, pkt. 10c; 1/4 oz. 65c.

POPPY, *Iceland*, mixture of white, yellow, orange and scarlet. Pkt. 10c; 1/4 oz. 35c.

PYRETHRUM ROSEUM, *Painted Daisy*, cut flowers last for days, mixed colors. Pkt. 10c; 1/4 oz. \$1.00.

STATICE LATIFOLIA (*Sea Lavender*), lavender flowers in dense panicles. Pkt. 10c; 1/4 oz. 50c.

SWEET PEAS, Perennial, see **LATHYRUS LATIFOLIUS**.

SWEET WILLIAM, usually bloom the first year from seed, very attractive for mass effect or in borders. Single and double mixed. Pkt. 10c; 1/4 oz. 25c; 1 oz. 75c.

VIOLA CORNUTA, *Tufted Pansy*, see **PANSY-VIOLET**.

VERBENA VENOSA, blooms through the entire season, a bright heliotrope-purple. A wonderful subject for borders or massed effect. Featured extensively in recent years in our parks. Pkt. 10c; 1/4 oz. 35c.

VIOLETS, *Odorata*, *Sweet Scented*. Pkt. 15c; 1/4 oz. 50c; 1 oz. \$2.50.

Vegetable Seeds

When incomes are reduced, the thrifty family will make use of every inch of yard space for a vegetable garden. It is truly astonishing how much can be raised on a carefully arranged plot of ground. It is equally astonishing how much better fresh pulled vegetables taste as compared to what can be purchased at stores or from peddler wagons.

Resolve to have a vegetable garden this year and beat the HIGH COST OF LIVING. Prepare your ground early, spade it deep and pulverize the soil. Avoid the use of barnyard fertilizers as it is from this source that cut-worms come. Use VIGORO lightly; it costs less and produces much better results. Four pounds of VIGORO to each 100 square feet will produce an abundant crop of CRISP, JUICY vegetables.

WE PAY POSTAGE ON VEGETABLE SEEDS

Artichoke

One ounce will sow 100 feet of row, and produce about 500 plants. A deep, rich, sandy loam is best adapted to this plant.

Improved Large Green Globe. Heads large, fleshy and of rich flavor. Cooks up nicer than usual because of fine grained flesh. Pkt. 10c; 1 oz. 50c; ¼ lb. \$1.50 postpaid.

Asparagus

One ounce will sow 50 feet of row and produce about 800 plants. Every fall, after the tops have been cut down, apply a dressing of coarse manure, and in the spring fork it in. As Asparagus is a salt water plant, an occasional top-dressing of salt at the rate of ½ pound to the square yard is also beneficial and keeps down the weeds.

Mary Washington. Rust resistant. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$1.25 postpaid.

Asparagus Roots

Dozen 25c; 100 \$1.00; 1,000 \$7.50 postpaid.



Burpee's Stringless Green Pod

Beans

One pound will plant 100 feet of drill

CULTURE. Cover the seed one and one-half to two inches deep, and thin the young plants three to six inches apart in the row. If planted in hills, make the hills about two feet apart each way. For succession, plant at intervals of two weeks till mid-summer. The plants up to the time of blossoming should have frequent shallow cultivation.

Bean Yield will be increased by using **Nitragin Bacteria.** Trial Size 25c; ½ bu. Size 40c; 1 bu. size 60c; Acre Size 90c.



Bush Green Pods

Burpee's Stringless Green Pod. Earliest, most hardy and absolutely stringless.

Pkt. 5c; ¼ lb. 10c; lb. 25c; 5 lbs. \$1.00. **Giant Stringless Green Pod.** Extra long, brittle pods. Pkt. 5c; ¼ lb. 10c; lb. 25c; 5 lbs. \$1.00.

Stringless Red Valentine. Round fleshy pods. Pkt. 5c; ¼ lb. 10c; lb. 25c; 5 lbs. \$1.00.

Bountiful Stringless. Good market variety. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; lb. 25c; 5 lbs. \$1.00.

Fordhook Bush Lima. Does well in light soil. Pkt. 5c; ¼ lb. 10c; lb. 35c; 5 lbs. \$1.60.

Henderson's Bush Lima. Smaller than regular Lima but better producer in this territory. Pkt. 5c; ¼ lb. 10c; lb. 30c; 5 lbs. \$1.20.

Bush Wax Pods

Improved Golden Wax. Pods broad and flat and very abundant. Pkt. 5c; ¼ lb. 10c; lb. 25c; 5 lbs. \$1.00.

Dwarf Black Wax. Deep yellow pods, crisp and brittle. Pkt. 5c; ¼ lb. 10c; lb. 25c; 5 lbs. \$1.00.

Davis White Wax. Favorite with market gardeners, makes good shell bean. Pkt. 5c; ¼ lb. 10c; 1 lb. 25c; 5 lbs. \$1.00.

Brittle Wax or Kidney Wax. Favorite for canning. Pkt. 5c; ¼ lb. 10c; lb. 25c; 5 lbs. \$1.00.

Golden Cluster Wax. Similar to Golden Wax above. Pkt. 5c; ¼ lb. 10c; lb. 25c; 5 lbs. \$1.00.

Pole or Running Varieties

Kentucky Wonder. King of all Pole Beans. Long, stringless pods in great abundance. Green. Pkt. 5c; ¼ lb. 10c; lb. 25c; 5 lbs. \$1.00.

Kentucky Wonder Wax. Yellow pod variety equal to Kentucky Wonder. Pkt. 5c; ¼ lb. 10c; lb. 25c; 5 lbs. \$1.00.

Lazy Wife. White seed, green pod, stringless. Pkt. 5c; ¼ lb. 10c; lb. 30c; 5 lbs. \$1.40.

Scarlet Runner. A rapid-growing, red-flowered climber. Pkt. 5c; ¼ lb. 15c; ½ lb. 25c; lb. 45c.

Field Beans. See page 21.

Beets—Table Varieties

CULTURE. Beets require a deep, rich, mellow soil, and may be sown from early spring to commencement of summer. Drop about an inch deep in drills 12 to 18 inches apart. One ounce to 60 feet of drill; 6 to 8 lbs. to the acre. When well up thin to from 3 to 4 inches apart. The young beets pulled out of the row are excellent when used as spinach. **All Post-paid.**

Detroit Dark Red. Favorite Beet for table or canning. Deep, blood red throughout. Tender and fine flavor. **Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.**

Early Blood Red Turnip. Turnip Beet. Early variety, tender and second to above. **Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.**

Early Eclipse. Globular shape, early and tender. **Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 80c.**

Ex. Early Egyptian. Earliest of Beets. Larger than most varieties but not as tender. **Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.**

Swiss Chard or Foliage Beet. More desirable than Spinach for greens. Leaves are broad, flat and green with white stem. **Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 65c.**

Sugar and Stock Beets. See page 21.



**Detroit
Dark Red
Beet**

Brussels Sprouts

A very delicate vegetable and deserves a more general cultivation than they receive. The plant belongs to the Cabbage family and should be grown and cultivated like Cabbage. The "sprouts" which grow around the strong, upright stems of the plant, look like miniature cabbages. Very hardy, improved by frost. One ounce will produce 2,000 plants.

Half-Dwarf Improved. Bearing a large crop of small, solid, tender heads. **Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.50.**

Cabbage

CULTURE. One ounce of good seed will produce 2,000 plants. For early Cabbages sow the seed in a hotbed in March or April, covering the seed from one-quarter to one-half inch deep and when big enough transplant to another bed. As soon as the ground is in good condition, transplant outside in rows 2 feet apart and 15 to 18 inches in a row. The soil should be mellow, rich and well drained. For late crops the seed can be sown in a cold frame or even in the open ground, and then transplanted in rows 3 feet one way and 2 feet the other, so as to be able to work with a horse and cultivator. One ounce of salt-peter dissolved in 3 gallons of rain water, sprinkled over the Cabbage or Cauliflower will destroy the green worm. The liquid being clear does not color the Cauliflower or Cabbage heads. Fine air-slacked lime or tobacco dust sifted on the young plants as soon as the fleas appear on the ground will prevent them from doing harm.

Earliest Varieties

Copenhagen Market. The earliest round head, short stem Cabbage offered today. The heads are even in size of about 8 lbs. average and will stand longer than other early varieties without bursting. **Pkt. 5c; oz. 35c; ¼ lb. \$1.00; lb. \$3.00.**

Early Jersey Wakefield. Cone shaped heads maturing from late in June to July. **Pkt. 5c; oz. 25c; ¼ lb. 90c; lb. \$2.50.**

Early Winningstadt. But little later than Wakefield. Heads round and solid. **Pkt. 5c; oz. 30c; ¼ lb. 75c; lb. \$2.50.**

Glory of Enkhuisen. Medium early, solid round heads. **Pkt. 5c; oz. 30c; ¼ lb. 90c; lb. \$2.75.**

Early Dwarf Flat Dutch. One of the most reliable headers. Medium early. Can be planted close on account of absence of "wing leaves." **Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50.**

All Seasons. Good variety for kraut. **Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50.**

Second Early or Round Headed

Premium Late Flat Dutch. Favorite for late crop. Makes enormous size and uniform, solid heads. **Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50.**

Danish Ballhead or Hollander. Hardest heading variety known. One of the best keepers. **Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50.**

Mammoth Red Rock. Largest heading Red Cabbage. Fully as large as Flat Dutch and fine grained. **Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50.**

*The square meal
for vegetables is
4 lbs. of Vigoro
per 100 sq. ft.*



**Copenhagen Market
Cabbage**

Carrots

One ounce will sow 100 feet of drill; 3 to 4 lbs. for an acre.

CULTURE. Carrots may be sown in hot-beds in February for early use. In open ground from March to first of July; however, main crop will produce best results if sown from first of May to first of July. Thin out early plantings to 5 inches apart in the row and main crop 6 to 8 inches apart. The rows should be 10 inches apart for early crop and 15 to 18 inches for main crop. Cultivation should be carefully performed to keep down the weeds, and deep hoeing between the rows will give a large increase in the crop. Carrot tops, cut from young plants, may be used for garnishing.

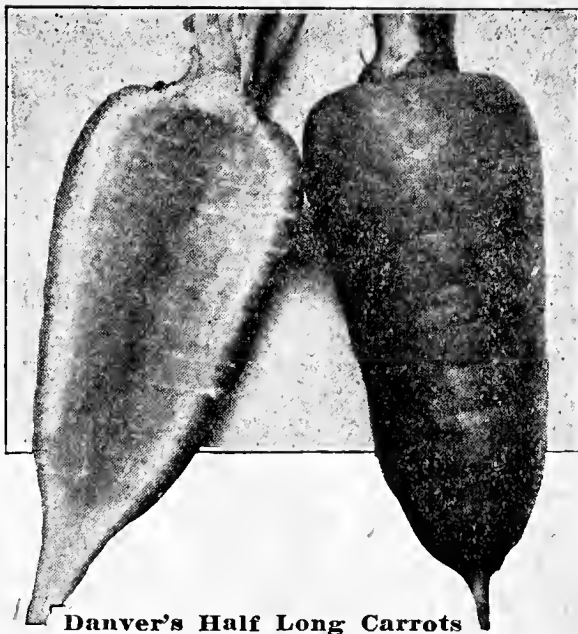
Ox Heart, or Guerande. Especially desirable for clay soil. Root is short and thick and flesh is bright orange in color. Heart is tender and not woody. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.00.

Danver's Half Long. One of the leading varieties. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.00.

Chantenay. Medium early and very productive. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.00.

Improved Long Orange. Good in light, sandy soil. Larger than other late varieties. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.00.

Early Scarlet Horn. Extra early and for that reason recommended for market. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.00.



Danver's Half Long Carrots



Early Snowball Cauliflower

Cauliflower

One ounce will produce 3,000 plants. Cultural directions for Cabbage apply to this crop, but the soil should be more heavily manured. Keep ground well hoed, and bring earth gradually up to stems. Water freely, especially when they begin to head. Never allow plants to become crowded in seed-bed; transplant them with great care, as any check will injure, if not prevent formation of the head. For late Cauliflower set plants in a cool, moist place. When heads form, the long leaves should be drawn over and tied above them, to keep off sun and rain.

Henderson's Early Snowball. One of the best types on the market. Its compact habit of growth renders it a very profitable variety to force under glass, and it does well for late planting, as well as for early crops. A sure header. Pkt. 15c; ¼ oz. 60c; oz. \$1.80; 2 ozs. \$3.40; ¼ lb. \$6.00.

Early Paris. Medium size. Pkt. 10c; ¼ oz. 30c; oz. 80c; ¼ lb. \$2.50; lb. \$8.00.

Celery

One ounce will produce from 5,000 to 10,000 plants.

CULTURE. The conditions necessary for successful Celery cultivation are good seed, plenty of manure and complete fertilization, moisture and cultivation. The most suitable soil is rich loam, finely pulverized and highly enriched with 30 to 40 loads to the acre of good stable manure. Sow seed in boxes for early planting; later plants may be produced from seeds sown in frames or open ground. Transplant 4 inches apart when 3 inches high, water and protect until well rooted, then transplant into rows for garden culture 18 inches to 2 feet apart, for field culture in rows 4 to 6 feet apart; set the plants from 8 to 12 inches apart, supply plenty of moisture and see that plants receive thorough cultivation. They may be set either on the surface or in well manured trenches 1 foot in depth. To blanch draw earth around the plants, being careful not to cover the tops of the center shoots.

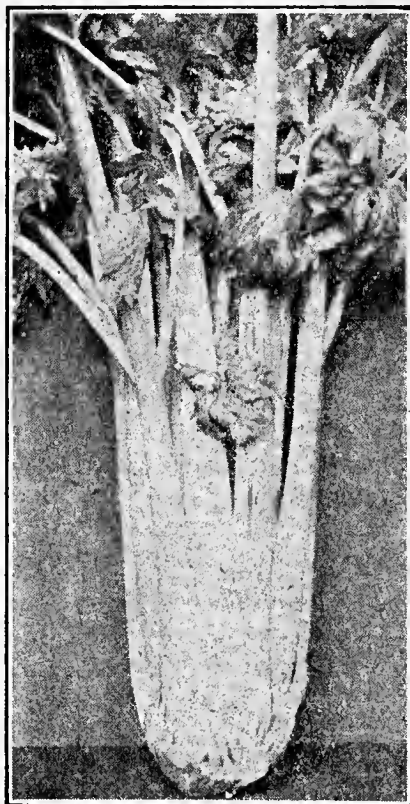
Giant Pascal. By far the most popular Celery. Medium to small size, but wonderfully well flavored. Pkt. 5c; oz. 30c; ¼ lb. 80c; lb. \$2.50.

Golden Self Blanching. Blanches easily and larger than Pascal. Pkt. 10c; oz. 50c; ¼ lb. \$1.50; lb. \$5.25.

Celeriac

(Turnip-Rooted Celery)

CULTURE. Grown mostly for its bulbous roots. Seeds are started and plants set out in the same way as advised for Celery. Celeriac is not usually blanched, but is very fine when thus treated, and much harder than the stalk Celeries. **Large, Smooth Prague.** An improved form of turnip-rooted Celery; round, smooth roots with very few side roots. Pkt. 5c; oz. 25c; ¼ lb. 75c.



Giant Pascal Celery



I grow my own!

Chicory

CULTURE. Sow in May or June in drills, thin out to 6 inches apart, treat like Endive until end of summer, when it should be banked up like Celery. The blanched stocks are used as a salad. It is also a boiled vegetable and served in the same way as Cauliflower.

Witloof. The best variety. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c.

Collards

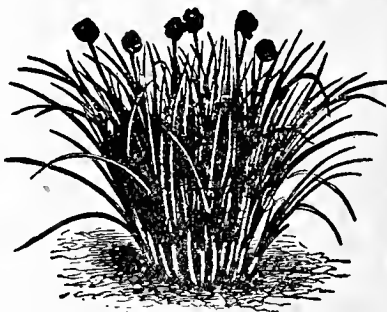
CULTURE. Sow seeds as for Cabbage, at intervals of about 3 weeks during May, June and July, transplanting at one month to rows 3 feet apart, leaving 2 feet between plants. The leaves are highly esteemed as greens.

True Georgia. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c.

Corn Salad

CULTURE. Sow during August and September in drills $\frac{1}{4}$ inch deep and 6 inches apart. **Keep weeds down.** Just before winter, cover thinly with leaves or straw.

Large Round-Leaved. Matures in four or five weeks. Sow two ounces to 100 feet of drill. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c.



Chives

Chives

Resembles the Onion in growth and family. Used largely as salad and for flavoring, especially soups. Can be cut repeatedly during the growing season. Grown also in pots in windows. Pkt. 10c; roots 20c bunch, 3 for 55c, post-paid.

Cucumbers

CULTURE. One ounce will plant 100 hills; 2 pounds will plant an acre. Plant in hills 4 feet apart each way. Leave four of the strongest plants to each hill.

Improved Long Green. Pickle when small and unexcelled for slicing when matured. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 90c.

White Spine. Early, prolific and continuous bearer. One of the most popular varieties. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 90c.

Early Frame. Fruit straight and smooth. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.10.

Davis Perfect. Excellent for forcing under glass; also for outdoor culture. Medium in size. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

Boston Pickling. Best pickling variety. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

Early Cluster. Medium to small; produced in clusters. Tender and well flavored. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

Japanese Climbing. Is grown on trellis. Makes an excellent cover for fence or porch while producing edible variety of fruit. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.



Pickling
Cucumber

Cress

Curled or Peppergrass. This small salad is much used with lettuce, to the flavor of which its warm, pungent taste makes a most agreeable addition. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

Water Cress. This variety succeeds only in damp soils on the border of ponds or streams, or where its roots are partially submerged in water. Pkt. 10c; $\frac{1}{4}$ oz. 20c; oz. 50c; $\frac{1}{4}$ lb. \$1.50.



Improved Long Green
Cucumber



New York Eggplant

Eggplant

One ounce will produce 2,000 plants

A strong, uniform heat is required to germinate the seeds, and a thoroughly pulverized, well enriched, warm soil is necessary to perfect the fruit. Transplant to 3 feet apart each way, and when about a foot high, support the plants by drawing the earth up around them.

New York Improved Purple. Fruit large, fine and free from thorns, and produces until frost; skin rich purple. Pkt. 10c; ¼ oz. 20c; oz. 50c; ¼ lb. \$1.50.

Endive

One ounce will sow 150 feet of drill. Sow in any ordinary dry soil in drills 1 foot apart, covering lightly. When the plants are about 2 inches high, thin to about 12 inches in the row. When the plants have attained full size, gather up the leaves and tie together at the tips. The inner leaves, in the course of three or four weeks, will become beautifully blanched.

Green Curled. Finely curled, dark green leaves; excellent plant. Not only most useful as a salad, but much used for garnishing. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Broad Leaved Batavian (Escarolle). Leaves are broad and nearly plain; chiefly used in stews and soups. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Garlic Sets

Garlic sets or bulbs are planted from September to March in rows 12 inches apart, placing the sets 4 inches apart in the rows, 2 inches deep. ¼ lb. 15c; lb. 35c; 2 lbs. 65c postpaid.

Herbs

A few Pot Herbs and Sweet Herbs should have a place in every vegetable garden. A very small space will give all the herbs needed by a family. Culture is very simple; the best way is to make seed-bed in the early spring and set the plants out in beds.

All varieties in 5c, 10c and 25c packages.

Anise. Used for flavoring.

Caraway. Seeds used in seasoning.

Catnip. Leaves used for tea.

Coriander. Seeds used for seasoning.

Dill. Used for seasoning pickles.

Horshound. Very useful for curing coughs.

Lavender. Leaves very fragrant.

Rosemary. Leaves very fragrant.

Rue. A medicinal plant.

Saffron. Used for flavoring.

Sage. A highly aromatic herb; most useful of all.

Savory, Summer. Leaves and shoots used for seasoning.

Sorrel. Used in soups and salads.

Sweet Basil. Leaves used for flavoring.

Sweet Fennel. Seeds aromatic.

Thyme. Used as a seasoning.

Wormwood. Has medicinal qualities. A splendid plant for poultry.

Horseradish Roots

No home garden is complete without them. 25c doz., postpaid; 100 for \$1.00.

for better vegetables

VIGORO
Complete plant food

VEGETABLES must be fed to produce crisp, tender roots or fruits. When growth stops or slows down on account of lack of water or food, the result is a tough, stringy tuber. VIGORO is the ideal food for vegetables, flowers, shrubs, trees, or lawns. It is so balanced as to ingredients that it will be sure to supply the needed elements. Truck farmers are using it by the ton because they find it pays them to do so.



Kale or Borecole

One ounce will produce 2,000 plants; 4 pounds to the acre.

Drill in rows of 2½ feet and thin to 6 to 10 inches. The varieties are extremely hardy.

Dwarfed Curled Green. Extensively grown as winter greens. Sow in autumn in rows 1 foot apart and treat as Spinach. Plants very hardy, 4 to 6 inches high. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

Tall Curled Scotch. Grows about 18 inches in height and spreads, sometimes reaching 3 feet in diameter. Desirable for winter use. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

Kohl-rabi

The seed should be planted in the open garden in 18-inch rows and the young plants thinned to four or six inches. It does not transplant well, unless when very small.

Early White Vienna. The most desirable variety for general use. It is very early and has small tops. Color light silvery green. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.75.

Early Purple Vienna. Has a bright purple bulb. The leaf and stem are green and tinged with purple. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.75.

Leek

One ounce will plant 200 feet of drill;
4 pounds to the acre.

CULTURE. Leek is very hardy and very easily cultivated. Sow early in spring in rich soil $\frac{1}{2}$ inch deep, in drills 1 foot apart. When 6 inches high, transplant in rows 10 inches apart each way; as deep as possible, so that the neck, being covered, may be blanched.

Large London Flag. The oldest and best known and most largely grown variety. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c; 1 lb. \$1.75.

Lettuce

CULTURE. Sow in hotbed or boxes in February or March and in open ground as soon as it can be worked; transplant to rows 8 inches apart both ways. Extra rich, mellow soil, high cultivation and moisture are demanded by lettuce to secure best results. Lettuce is hardy and makes better growth when mercury is below 60 degrees; when above 75 degrees the plant is soon drawn out of shape. A succession of plant-

ings, at intervals of two weeks, after first outdoor planting is desirable. In August any of the variations can be sown either outdoors or in frames. In October, Grand Rapids and Denver Market, may be planted in frame to head in winter. Always sow seed thin and then thin out plants to stand from 6 to 8 inches apart in row. Lettuce requires good soil, carefully enriched with well rotted manure, and well pulverized to secure the best results. For hotbed and very early sowing, we especially recommend Big Boston, Grand Rapids, Early Curled Simpson and Black Seeded Simpson.

Loose or Cutting Varieties

Black Seeded Simpson. One of the best leaf varieties. Leaves are fluffy but not crinkled. Tender and sweet. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ lb. 60c; 1 lb. \$1.00.

Simpson's Early Curled. Crisp and tender. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ lb. 60c; 1 lb. \$1.00.

Grand Rapids. Popular because of large bunches. Leaves are rather smooth with frilled edges. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ lb. 60c; 1 lb. \$1.00.

Denver Market. Semi-head. Wrinkled leaves. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ lb. 60c; 1 lb. \$1.00.

Heading Varieties

California Cream Butter. Large, rich, creamy heads. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ lb. 60c; 1 lb. \$1.00.

Paris White Cos. Distinct from other varieties. Leaves long and straight but when tied up, heads nicely. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ lb. 60c; 1 lb. \$1.00.

Prize Head. Not really a heading variety, though usually so catalogued. Leaves are red edged. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ lb. 60c; 1 lb. \$1.00.

Hanson's Improved. Favorite with market gardeners. Heads easily if not grown too close together. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ lb. 60c; 1 lb. \$1.00.

Iceberg. Leaves have a tendency to turn in, hence sure to head. Tender and crisp. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; $\frac{1}{2}$ lb. 90c; 1 lb. \$1.50.

New York Select or Los Angeles. Solid heading variety often weighing 2 to 3 pounds. Pkt. 5c; 1 oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$1.75.



New York Wonderful or Los Angeles
Market Lettuce

Muskmelons

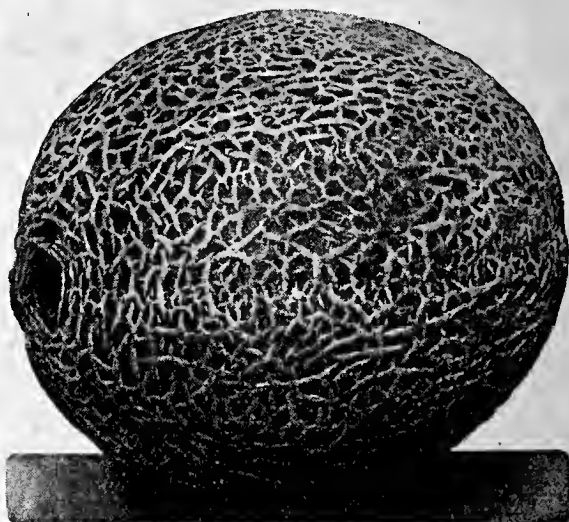
One ounce to 60 hills; 3 pounds to acre.

CULTURE. A rich, deep, sandy soil well worked and highly manured is of the utmost importance. Plant when all danger of frost is over, in hills 5 to 6 feet apart each way; scatter a dozen seeds to a hill and afterwards thin out to 3 or 4 plants. Cantaloupes and Cucumbers are often destroyed by lice and should be well sprinkled with slug shot when the plants appear. When they have 4 leaves, pinch off the end of the main shoots, which will cause lateral branches to put forth sooner and strengthens the growth of the vines.

Burrell's Gem. An orange fleshed Rocky Ford. Fine grained and spicy. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00.

Hale's Best Rocky Ford. Oval shaped, of netted type. Salmon flesh of fine flavor. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00.

Emerald Gem. One of the earliest. Green skin and salmon flesh. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 80c.



Burrell's Gem

MUSKMELONS—Continued

Hackensack. Ribbed variety, large and round. Good market variety. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. \$1.00.

Netted Nutmeg. Medium size, early, green flesh. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

Osage, or Miller's Cream. Pink fleshed, spicy flavor. Very heavy producers. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

Casaba or Large Persian. Long, oval shape. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.00.

Honey Dew Melon. Comparatively new type of melon. Flesh is deep green, unusually sweet and will keep 3 to 5 months after ripe. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.30.

Grecley Wonder. Salmon flesh with thick meat. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.50.

Honey Ball. Earlier than Honey Dew and smaller. Green meat with greenish-white skin. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.50.

Mustard

When young the leaves are used for salad, which, although slightly pungent, is very appetizing. Mustard may also be cooked like Spinach and will make a very wholesome and delicious food. Sow early in the spring in shallow drills. One ounce will sow 5 feet of drill.

Mammoth Southern Curled. The large, curled leaf variety, popular in the South, where the seed is sown in the fall for spring use. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 60c.

Brown or Black. More pungent in flavor than the white. Seed black. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. 75c.

Okra

CULTURE. Sow late in the spring, after the ground has become warm, in drills 3 feet apart, where the plants are to remain. Thin out to from 9 to 12 inches. Soil should be well manured. Plants may also be raised in pots or hotbed and transplanted.

White Velvet. Of tall growth, pods never prickly to touch, being always round and smooth. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c.

Early Dwarf Prolific. Grows low, but stocky and is very productive. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 60c.

Parsley

One ounce of seed for 150 feet of drill.

CULTURE. Soak the seed in warm water for several hours.

Moss Curled. A choice selected strain with beautifully crimped and curled bright-green leaves. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 70c.

Parsnips

One ounce for 200 feet of drill; 5 to 6 pounds for an acre.

Improved Hollow Crown. The best variety for market or home garden. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 75c.

Improved Guernsey. Roots not so long as Hollow Crown, but of greater diameter and more easily gathered. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.



Hollow Crown Parsnips

Watermelons

Selected Strains of the Choicest and Best Varieties

One ounce to 60 hills; 4 or 5 pounds to the acre.

CULTURE. The culture of the Watermelon is very similar in all respects to that of the musk varieties, being hardier and of more vigorous habit. However, it may be planted in May, before settled warm weather appears, in hills not less than eight feet apart, and thinned to two vines per hill.

Kolb's Gem. The best shipping melon. Rind thin but tough. Striped, slightly oval and of good size. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

Rocky Ford. Oblong, green rind, superb flavor. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

Tom Watson. A large melon, oblong and green with thick netting on entire surface. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

Kleckley's Sweet. Early, medium sized and very sweet. Skin dark green, flesh bright red. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

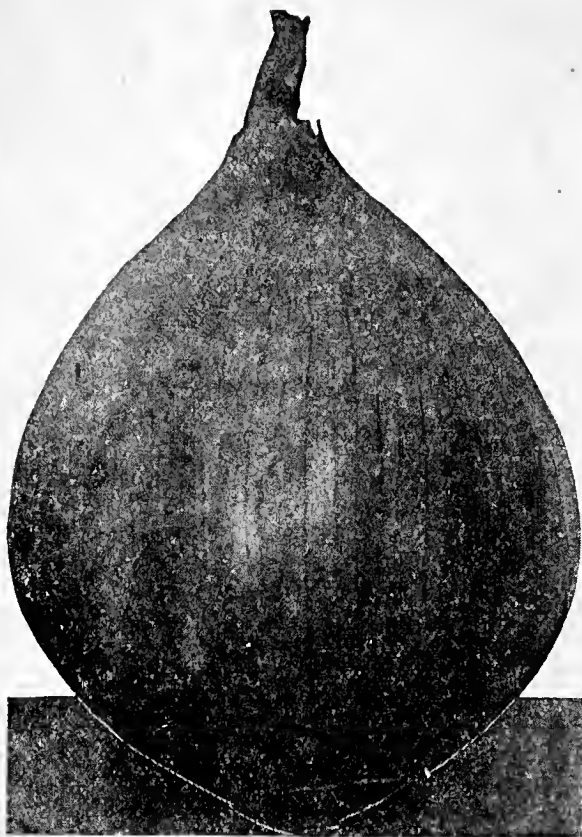
Mountain Sweet. Long, green type. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

Georgia Rattlesnake. Sometimes called "Gypsy." Very large and good shipper. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

Kansas Stock, or Colorado Preserving. A boon to dry farmers. Often weighs 60 to 70 lbs. Will keep all winter and can be fed to stock all winter. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.



Tom Watson Melon



Mountain Danver's Globe

Onions

One ounce of Onion seed for 200 feet of drill; 4 to 5 pounds to the acre.

CULTURE. Sow in drills 1 foot apart as soon as the ground can be worked in the spring. Thin plants to 3 or 4 inches apart and keep down weeds. Soil should be light and well fertilized but avoid fresh manure. In growing sets use 70 to 80 pounds of seed to the acre, drilled in very thick. The two essential points in Onion growing are, thorough preparation of the soil, and freedom from weeds.

Mountain Danver's Globe. The earliest and longest keeping Yellow Globe Onion. A full month earlier in maturing than most varieties, and one of the heaviest yielding. Frequently produces one thousand bushels to the acre. Pkt. 5c; oz. 25c; ¼ lb. 65c; lb. \$1.75; 5 lbs. \$7.75.

Mountain Sweet Spanish. This onion is selected for its keeping qualities from the Riverside Sweet Spanish. It forms a large yellow globe with sweet flesh. Pkt. 5c; oz. 35c; ¼ lb. \$1.00; lb. \$2.25; 5 lbs. \$10.00.

Yellow Globe Danvers. Brownish-yellow skin with mild flavor. A very excellent variety. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.75.

Prizetaker. Heavy yield on account of immense size. Skin pale straw color, flesh white and mild. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

Large Red Weathersfield. Best red variety. By far the finest strain of red onions. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.35.

Southport Red Globe. Matures slightly ahead of Weathersfield. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.35.

Silver Skin, or White Portugal. Medium sized, rather flat. Our strain is particularly excellent. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.50.

White Barletta Pickling. Best pickling onion. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.50.

Onion Sets

Yellow, White or Red Bottom Sets. ¼ lb. 10c; ½ lb. 15c; lb. 25c; Write for Quantity Prices.

Pepper

One ounce will produce 1,500 plants.

Sweet Bell or Bull Nose. Early and productive, remaining green a long time. Pkt. 5c; ½ oz. 20c; oz. 30c; ¼ lb. 85c; lb. \$2.40.

Chinese Giant, Selected. The largest of all. Pkt. 5c; ½ oz. 35c; oz. 50c; ¼ lb. \$1.75; lb. \$5.25.

Long Slim Red Cayenne. Bright red. Pkt. 5c; ½ oz. 25c; oz. 45c; ¼ lb. \$1.35; lb. \$4.00.

Ruby King. Popular for stuffing. Pkt. 5c; ½ oz. 20c; oz. 30c; ¼ lb. 85c; lb. \$2.40.

Ruby Giant. Somewhat larger than Ruby King. Pkt. 5c; ½ oz. 20c; oz. 30c; ¼ lb. 85c; lb. \$2.40.

Pimento. Used for pickling and salads. Pkt. 5c; ½ oz. 20c; oz. 30c; ¼ lb. 85c; lb. \$2.40.

Red Chili. Used in making chili. Pkt. 5c; ½ oz. 35c; oz. 50c; ¼ lb. \$1.50; lb. \$4.50.



Ruby King Pepper.

Potatoes

CULTURE. Figure 1 pound to 7 hills. Space rows 3 ft. apart, 500 lbs. to the acre. Plant as soon as danger of killing frost is over. Be sure ground is well worked up to a good depth and fertilize with bone meal. Be sure to cut so as to leave one or two good eyes to each piece. **DO NOT PLANT TOO DEEP IF SOIL IS HEAVY.** Five inches is plenty.

Varieties. We recommend Early Ohio, Burbank or Peach Blow for light, sandy soil and IRISH COBBLER for heavy or clay soil. This latter variety has repeatedly proved itself the only consistent producer in heavy soil. 3 lbs. 25c; 10 lbs. 50c; 25 lbs. \$1.25. Add 5c lb. for postage. Quantity prices on application.

Pumpkins

One ounce will plant 15 hills; 2 quarts to acre.

CULTURE. Sow in May, when the ground is warm, in hills 8x8. Can also be grown with corn, every fourth hill of every fourth row. The common practice is to drop two or three seeds in every third or fourth hill in the cornfield. If cultivated in 8x8 hills use four plants to each hill.

Connecticut Field. Best variety for Colorado. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

Kentucky Field. Large variety similar to above. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 70c.

Mammoth Tours. French variety of great size. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 90c.

Small Sugar. Finer grained and best for table use. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 80c.

Peas

One pound will plant 100 feet of drill; 60 pounds to acre.

CULTURE. Peas are among the first seeds that are planted in spring and need rich, well-manured soil. Sow in drills 3 feet apart and repeat until the first of July, with the exception of our Extra Early, which can be sown as late as August, on account of its early ripening and mildew resistance. The number of Peas may vary from 10 to the foot for the dwarf varieties to 8 to the foot of the medium tall and 6 to the foot of the very tall kinds.

American Wonder. 1 ft. Matures in 50 days. Bears its crop quickly and is out of the way for other crops on same ground. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c.

Dwarf Telephone. 2½ ft. Pods larger than Am. Wonder. Well flavored and productive. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c.

Telephone (Pole). 3½ ft. Best of the pole varieties. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c.

Yorkshire Hero. 2½ ft. Hardy kind of good flavor. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c.

Champion of England. 3 ft. Considered standard for summer use. Everbearing in nature. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c.

Gray Sugar (Edible pods). Growing in popularity. Pkt. 5c; ¼ lb. 10c; ½ lb. 20c; 1 lb. 35c; 2 lbs. 65c.

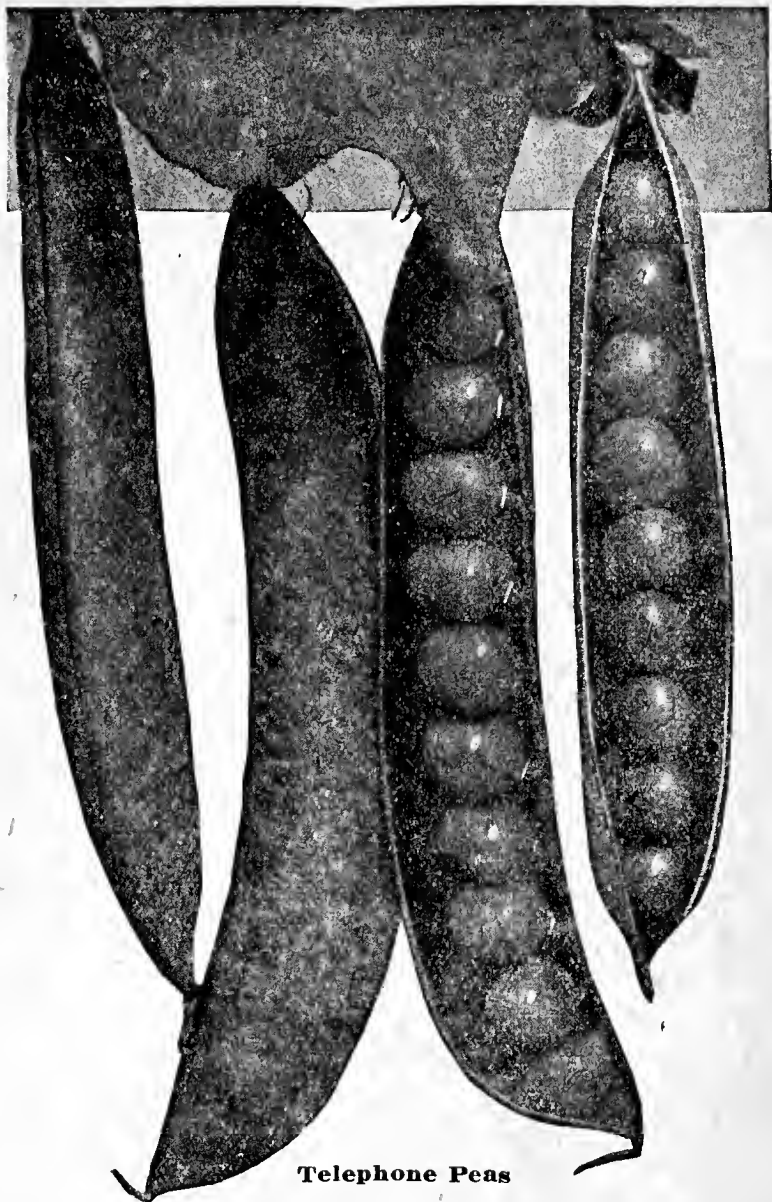
Blue Bantam. Early and dwarf. Very sweet. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c.

Gradus, or Prosperity. 3 ft. Early as any standard sort and one of the best early kinds. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c.

Premium Gem. Peas small and sweet, pods well filled. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c.

Alaska. 2½ ft. Earliest of all, though not so sweet. Truckers plant February 22nd if ground can be worked. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 40c.

First and Best. 2½ ft. Good canning variety. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c.

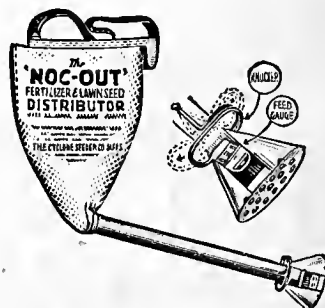


Telephone Peas

Bliss Everbearing. 3 ft. One of the most prolific. Peas very large and wrinkled. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c.

Laxtonian. 2 ft. Almost as early as the earliest. Very heavy cropper and a general favorite. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c.

Stratagem (Improved). Middle crop sort. Good sized pods borne in abundance. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c.



NOC-OUT FERTILIZER
Distributor \$1.00 each
Postpaid

MUSHROOM SPAWN, Lambert's Pure Culture. One brick will spawn eight square feet of beds. Free cultural leaflet on request. Per brick, 35c; 5 bricks, \$1.50 Postpaid. 10 brick lots, not prepaid, \$2.25; 100 bricks, \$18.00.

Radish

One ounce to 100 feet
of Row

CULTURE. The soil for radishes should be very rich, light and mellow, well broken by digging, as their tender and mild qualities depend much upon their rapid growth. For very early use, sow in gentle hotbeds in February, and in open air as soon as the ground can be worked; then at intervals of ten or twelve days, for a succession as long as they may be wanted. The winter varieties should be sown in August, lifted before severe frost, and stored in the cellar.

Sow in drills 1 foot apart and cover lightly; thin out while small to 3 inches apart. Hoe often.

Vick's Early Scarlet Globe. One of the best, both for forcing as well as open culture. Early, crisp and tender. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

French Breakfast. Pink with white tip. Olive shaped. One of the earliest and best. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 75c.

Rosy Gem. Round, red with white tip. Very early. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 75c.

Sparkler. Similar to above except that it gets larger. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 75c.

Icele. The king of all long radishes. Always tender, crisp and mild. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 75c.

Simpson's Glass. Long, light pink type with transparent white flesh. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 75c.

Long Brightest Scarlet. The handsomest radish grown. Scarlet above and white below. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

China Rose Winter. Flesh firm and white; will keep all winter. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 75c.

Long Black Spanish Winter. Black skinned with white flesh. Gets to enormous size. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 75c.

Round Black Spanish. Globe shaped roots with black skin. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 75c.



Icele Radishes

Rhubarb or Pie Plant

Linneus Giant. For market gardeners the best. Pkt. 5c; oz. 15c; ¼ lb. 45c; 1 lb. \$1.40

Strawberry. By far the sweetest, though small in size. Pkt. 5c; oz. 15c; ¼ lb. 45c; 1 lb. \$1.40.

Rhubarb Roots, 3 for 25c. 75c doz. 100 for \$5.00. Postpaid.

Salsify or Oyster Plant

CULTURE. The oyster plant succeeds best in some light, well-enriched soil which previous to sowing the seeds should be stirred to the depth of 18 inches. Sow early in the spring in drills 15 inches apart; cover the seeds with fine soil 1 inch deep. One ounce for 60 feet of drill; 7 pounds to one acre.

Mammoth Sandwich Island. This splendid variety grows to fully double the size of the old sort; is of superior quality and delicate flavor. The Oyster Plant is one of the most nutritious and delicious vegetables and should be more generally cultivated for winter use when the supply of really good vegetables is limited. No market gardener should fail to grow it. It is a paying proposition. Pkt. 5c; oz. 20c; ¼ lb. 60c; 1 lb. \$1.75.

Spinach

One ounce will sow 50 feet of drill; 12 to 16 pounds to acre.

CULTURE. This is a very important crop in our market gardens, and is one of the most easily managed of all vegetables, requiring but little culture, and may be had fit for use the entire season. The main crop is sown in September. It is sometimes covered up in exposed places with straw or salt hay during winter, which prevents it from being cut by frost; but in sheltered fields there is no necessity for covering. For summer use it may be sown at intervals of two to three weeks from April to August. Spinach is best developed and most tender and succulent when grown in rich soil.

Long Standing. The best for spring sowing. Stands a long time before shooting to seed. Large thick leaves, excellent for greens. Pkt. 5c; oz. 10c; ¼ lb. 15c; 1 lb. 40c.

New Zealand. Makes a luxuriant growth all summer. In appearance entirely distinct from other spinach. Its quality is very desirable and tender. Soak the seed in warm water before planting. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 55c.

Round Summer. This variety is generally preferred for early growing and is popular with market gardeners. Leaves thick and fleshy. Not quite as hardy as the prickly, but stands winter well. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 60c.

Monstrous Leaved Viroflay. Quick, strong growth; much used by New York truckers. Pkt. 5c; oz. 10c; ¼ lb. 15c; 1 lb. 40c.

Squash

One ounce will plant 30 hills; 3 to 4 pounds an acre.

CULTURE. The plants are very tender and sensitive to cold, and planting must be delayed until settled, warm weather. The general principles of culture are the same as those given for cucumbers and melons, but the plants are less particular as to soil. The summer varieties should be planted 4 feet apart each way and the winter sorts 8 feet. Three plants are sufficient for a hill. Care should be taken not to break the stems from the squashes intended for winter use, as the slightest injury will increase the liability to decay.



Golden Summer Crook Neck

Summer Varieties

Early White Bush. This is the well known White Patty-pan Squash. The earliest to mature, very productive; light cream colored. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

Golden Summer Crook Neck. Very early and productive. Fruit about 1 foot long, with crooked neck and warty surface; color bright yellow. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.00.

Giant Crook Neck. This strain is a great improvement on the old variety of Crook Neck. It is larger and better in every way. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.00.

Yellow Summer Straight Neck. Similar in all ways to the Crook Neck except that it grows straight. Packs better. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 90c.

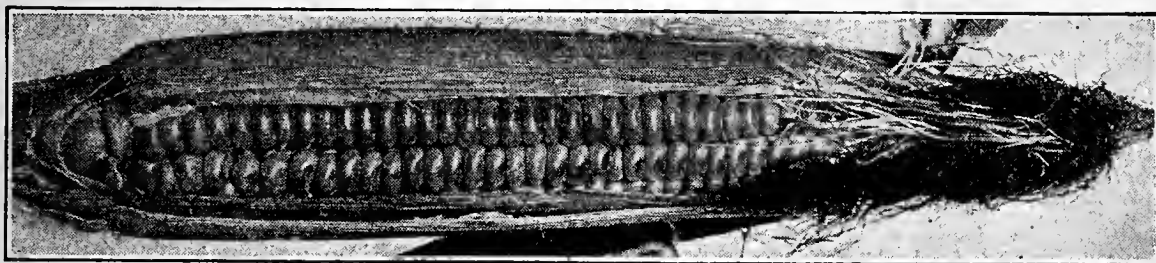
Winter Varieties

Table Queen or Acorn. A deep green winter sort, just the right size to halve and bake and serve as individual helping. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.10.

Warty Hubbard. Best shipper and best keeper. Shell is hard and warted. Dark olive green. Pkt. 5c; oz. 15c; ¼ lb. 40c; ½ lb. 75c; lb. \$1.15.

Golden Hubbard. Somewhat smaller than the above, a trifle earlier but not so good a keeper. Pkt. 5c; oz. 15c; ¼ lb. 40c; ½ lb. 75c; lb. \$1.15.

Boston Marrow. Orange color with distinct flavor. Pkt. 5c; oz. 10c; ¼ lb. 25c; ½ lb. 45c; lb. 80c.



Sweet Corn

One pound will plant about 180 hills; 10 to 12 pounds to an acre, in hills.

CULTURE. Sweet Corn should not be planted very early in the season; the soil must be warm and should be a rich loam. If planted too early the seed is apt to rot. Sweet Corn will not make any progress until the weather is warm. If possible select a sheltered location for the very early kinds. A succession can be continued with the later kinds by planting at regular intervals from June to middle of August, thus insuring a continuous supply of table corn throughout the summer and fall months. Plant the small early varieties in drills 2½ feet apart and 10 inches apart in the rows. The taller varieties should be planted in drills 3 feet apart and 12 to 14 inches apart in the rows. Rich manure worked into the soil will increase the crop.

Write for Quantity Prices.

Golden Bantam. The First Early Sweet Corn. Rich and delicious flavor. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; lb. 20c; 5 lbs. 90c.

Bantam Evergreen. Practically as early as Golden Bantam, with longer cob. Excellent flavor. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; 1 lb. 25c; 5 lbs. \$1.00.

Mayflower. One of the very earliest white Sweet Corns with regular sized cobs. Highly recommended. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; lb. 25c; 5 lbs. \$1.00.

Country Gentleman. "Shoe Peg." Grains not in rows on the cob. Very fine flavor. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; lb. 25c; 5 lbs. \$1.00.

Early Evergreen. Has all the good qualities of Stowell's Evergreen and matures earlier. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; lb. 25c; 5 lbs. \$1.00.

Howling Moh. Produces two splendid ears to the stalk. Early, sweet and of good size. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; lb. 25c; 5 lbs. \$1.00.

Extra Early Minnesota. Early and large. Stalks not very tall. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; lb. 25c; 5 lbs. \$1.00.

Peep-O-Day. Early as Golden Bantam. Ears average about 6 inches in length. Sweet and juicy. Pkt. 5c; ¼ lb. 10c; ½ lb. 15c; lb. 25c; 5 lbs. \$1.00.

POPCORN

Giant Spanish. Favorite with many. Large ears and large grains, popping quickly and very crisp. Yields more to acre than any other popcorn. Pkt. 5c; ½ lb. 10c; lb. 15c; 5 lbs. 60c.

Yellow Dynamite. The best popping corn yet produced. As large as Giant Spanish, but more tender. Pkt. 5c; ½ lb. 10c; 1 lb. 15c; 5 lbs. 60c postpaid.

Swiss Chard Tomatoes

One ounce of seed will produce from 3,000 to 4,000 plants.

CULTURE. Sow seed in a box or hotbed early and transplant at least once to get a strong root growth. When danger of frost is over set in open ground 3 to 5 feet apart each way and cultivate thoroughly. Fruit may be had several days earlier by transplanting into small pots and then setting out the entire contents as soon as ground is warm. The varieties of Tomatoes described in this seed book comprise the very best kinds known to the trade and none are included that do not possess some merit.

Livingston's Beauty. A smooth pink variety. Popular with local gardeners. Pkt. 5c; oz. 30c; ¼ lb. 85c.

Marglobe. Certified. A new, bright red; round, and large. One of the favorites on the market. Pkt. 5c; oz. 35c; ¼ lb. \$1.00.

Ponderosa. Dwarf beefsteak variety, pleasing dark red. Pkt. 5c; oz. 50c; ¼ lb. \$1.25.

Chalk's Early Jewel. Round, bright red, and meaty. Very early. Pkt. 5c; oz. 30c; ¼ lb. 85c.

John Baer. One of the best early scarlet, heavy bearers. Pkt. 5c; oz. 30c; ¼ lb. 85c.

Earliana. Medium sized, early red. Pkt. 5c; oz. 35c; ¼ lb. 85c.

June Pink. An early pink variety that bears heavily. Pkt. 5c; oz. 30c; ¼ lb. \$1.00.

Dwarf Champion. (Tree variety). Sturdy stems bearing many medium sized purplish-red fruits. Pkt. 5c; oz. 35c; ¼ lb. \$1.00.

Early Detroit. A second early, globe shaped, smooth variety. Purplish-red. Pkt. 5c; oz. 40c; ¼ lb. \$1.15.

Small Fruited Varieties

Red Pear, Yellow Pear and Yellow Plum. Pkt. 5c; oz. 50c; ¼ lb. \$1.25.

Husk or Ground Cherry. Pkt. 5c; oz. 50c; ¼ lb. \$1.25.

Turnips

One ounce will sow 150 feet of drill; 2 lbs. will sow an acre.

CULTURE. For early use, sow as soon as the ground can be worked in spring in drills 15 inches apart and thin to 8 inches apart as soon as the plants are large enough to handle. For succession, sow at intervals of a fortnight until the last week of July, from which time until the end of August sowings may be made for main and late crops. The sowings should be made just before rain if possible, a rapid growth being important.

Early White Egg. General favorite. Flesh is white, firm and mild without the pungent taste. Pkt. 5c; oz. 10c; ¼ lb. 20c; ½ lb. 30c; lb. 55c.

Purple Top Strap Leaf. Best flat type for fall planting. Excellent for stock or table. Pkt. 5c; oz. 10c; ¼ lb. 20c; ½ lb. 30c; lb. 55c.

Early White Flat Dutch. Good quality. Pkt. 5c; oz. 10c; ¼ lb. 20c; ½ lb. 30c; lb. 55c.

Purple Top Globe. Larger than White Egg. Pkt. 5c; oz. 10c; ¼ lb. 20c; ½ lb. 30c; lb. 55c.

Yellow Aberdeen. Especially good for feeding. Pkt. 5c; oz. 10c; ¼ lb. 20c; ½ lb. 35c; lb. 60c.

Rutabagas

Improved Purple Top. Perfect keeper, large, solid and sweet. An old-time favorite never improved upon. Pkt. 5c; oz. 10c; ¼ lb. 20c; ½ lb. 30c; lb. 55c.



Purple Top Strap Leaf Turnip

Flower and Vegetable Gardens are Inspirational as well as Economical

Inspirational because we need to get back to the fundamentals of life from which we have all been more or less weaned away by the modern method of living. Who can plant a tiny seed and see it develop into a beautiful, fragrant flower, or a crisp, juicy vegetable, without realizing that here is a demonstration of the work of an "All-wise Creator" whose wisdom and guidance we too often neglect to seek.

Economical because every dime's worth of "Garden truck" we raise is a dime saved for other necessities of life.

GARDENING CAN BE MADE A PLEASURE AS WELL AS PROFITABLE

Given a small plot of ground and a few necessary tools to work with and a GOD-GIVEN desire to "see things grow" we soon find ourselves becoming "garden-minded", and, therefore, better citizens.

TREAT BEFORE PLANTING WITH
SEMESAN
FOR DISEASE PROTECTION



\$1.85 ea. Postpaid

Selected Field Seeds for Western Planters

NOT POSTPAID

ASK FOR SPECIAL PRICES FOR QUANTITIES OVER 10 POUNDS.

Alfalfa, Domestic. Lb. 30c; 10 lbs. \$2.50.
Alfalfa, Grimm. Blue tag, certified. Lb. 40c;
10 lbs. \$3.75.
Brome Grass. Lb. 30c; 10 lbs. \$2.25.
Orchard Grass. Lb. 25c; 10 lbs. \$2.25.
Sudan Grass. Prices quoted on request.
Timothy. Lb. 15c; 10 lbs. \$1.35.
Sweet Clover. Either White or Yellow Blossom. Lb. 15c; 10 lbs. \$1.25.

Field Corn

Minnesota No. 13. Lb. 10c; 10 lbs. 50c.
Colorado Yellow Dent. Lb. 10c; 10 lbs. 55c.
Iowa Silvermine. Lb. 10c; 10 lbs. 55c.

Sorghums and Fodder Plants

Cane, Black Amber. Lb. 10c; 10 lbs. 55c.
Kaffir Corn. Lb. 10c; 10 lbs. 50c.
Milo Maize. Lb. 10c; 10 lbs. 50c.
Millet, Manitoba or Hog. Lb. 5c; 10 lbs. 25c.
Millet, Siberian. Lb. 5c; 10 lbs. 30c.

Field Grains

Barley, Colless. Lb. 5c; 10 lbs. 40c.
Flax, Recleaned. Lb. 15c; 10 lbs. \$1.00.
Oats, Victory, Registered. Lb. 6c; 10 lbs. 45c.
Oats, Swedish Select. Lb. 6c; 10 lbs. 45c.
Speltz. Lb. 10c; 10 lbs. 55c.
Spring Rye. Lb. 5c; 10 lbs. 35c.
Fall Rye. Lb. 5c; 10 lbs. 35c.

Miscellaneous

Beans, Pinto. Lb. 10c; 10 lbs. 60c.
Peas, Stock. Lb. 10c; 10 lbs. 75c.
Pop Corn, White Rice. Lb. 15c; 10 lbs. 75c.
Pop Corn, Spanish. Lb. 15c; 10 lbs. 75c.
Peanuts, Spanish. Lb. 35c; 10 lbs. \$3.00.
Sunflower, Giant Russian. Lb. 15c; 10 lbs. \$1.00.

Sugar and Stock Beets

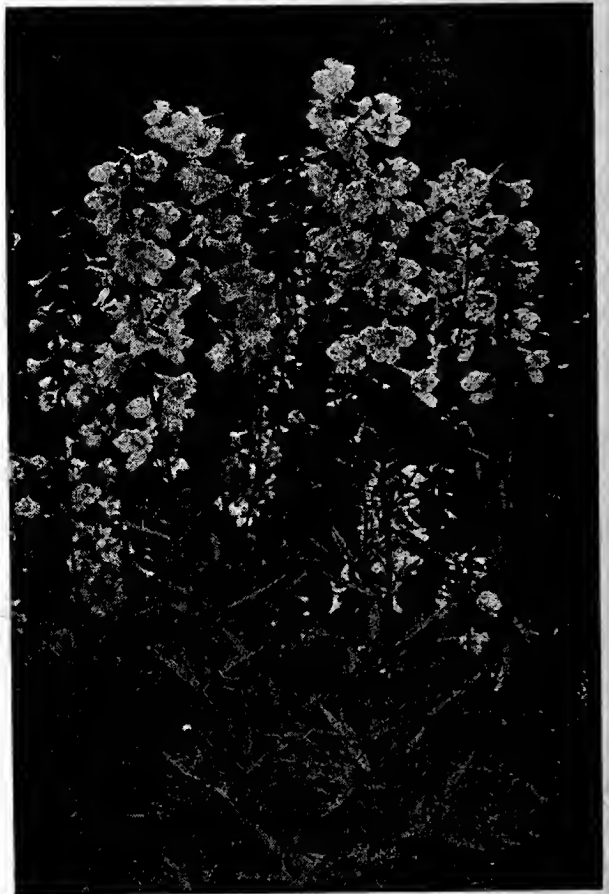
Giant Half Sugar. Golden Tankard. Mammoth Red. Wanzleben. Any of above: oz. 10c; ¼ lb. 20c; 1b. 60c; 5 lbs. \$2.50.

Hardy Perennial Plants

THOSE MARKED * ARE SUITABLE FOR ROCK GARDENS

Each 20c; Doz. \$2.00; unless otherwise noted. We pay postage on all perennials

- ***Achillea** (Yarrow or Milfoil). Desirable garden subjects for any soil. Good for cut flowers. Finely cut foliage, frequently silvery. **Millefolium Roseum**. 1½ feet, summer, rosy pink.
- Anchusa** (Summer Forget-Me-Not). Fine, tall blue flowers for massing. Moisture-lover.
- ***Aquilegia Coerulea**. True Rocky Mountain Columbine. Large roots. 25c each.
- (**Hardy Aster**) **Michaelmas Daisy**. A fine perennial for tall borders or mass effects, very hardy and blooms well in almost any location. Named varieties in white, cream, pink, light blue, lavender and purple.
- Bells** (English Daisy). Very popular, low growing, six to eight inches. Blooms very double and full, something like a small Aster. Basket of 6 plants. 50c.
- Bleeding Heart**. One of the easiest to grow, and one of the most beautiful. 45c each.
- Buddleya** (Summer Lilac). A half hardy shrub freezing down to the root in the fall like the Shasta Daisy. Very attractive lavender colored blooms, fine for cutting. 35c each.
- Campanula** (Bell Flower). These come in great variety in height from 18 to 48 inches and colors from white through the shades of blue to deep violet. This family also includes the well known Canterbury Bell. 25c each; \$2.50 per doz.
- Centaurea** (**Hardy Corn Flower**). A graceful and attractive plant. Height two to three feet. Valuable for cuts, as it has a



Delphinium



Aquilegia Coerulea

- good stem. Colors: white, yellow, red and rosy purple.
- Chrysanthemum**. Handsome and vigorous. Height about twenty-four inches. Fine for borders. We carry named varieties in many shades and colors.
- Coreopsis**. Good for cut flowers and continues in bloom through the entire season.
- Delphinium**. Larkspur, Belladonna. Light blue. Bellamosum, dark blue.
- Dianthus** (Pinks). Another large and valuable group. Some for borders, others suitable for rock gardens. All members of this family are hardy and will thrive in either heavy or sandy soils. Colors: White, light or deep pink, red and mauve. They are all-season bloomers.
- Digitalis**. Foxglove. An old-time favorite.
- Gaillardia**. Begins to flower in June.
- ***Geranium** (Cranesbill). Easily grown plants giving masses of small, showy flowers and good foliage. Most of them have a magenta tinge. 25c each; \$2.50 per dozen.
- ***Geum**. A good border subject, attractive foliage, bright scarlet flower. 25c each; \$2.50 per dozen.
- Goldenrod**. Needs no description. Strong roots.
- Golden Glow**. Strong roots.
- Gypsophila** (Baby's Breath). **Paniculata**, single, 20c each. Double, grafted roots, 50c each, \$5.00 doz. **Bristol Fairy**, early and very large. Not as good for drying as the **Paniculata** or **Double Blossom**. 60c each, \$6.00 doz.

HARDY PERENNIAL PLANTS—Continued

Those Marked * are Suitable for Rock Gardens

Helianthus (Hardy Sunflower). One of the most valuable tall borders. It is a hardy, vigorous grower with good foliage, flowers in this country in August and September. Color: Golden yellow. **25c each.**

Hemerocallis. Lemon Lilly. Very satisfactory and pretty. Flowers are bell shaped of clear lemon yellow.

Hibiscus (Crimson Eye). Immense white flower with crimson eye. **25c each.**

Holyhocks. Double only. Can furnish in separate colors as follows: Buff, white, yellow, maroon, red, pink, bluish, black.

Iberis (Hardy Candytuft). Grows low with beautiful foliage, fine for rock work or low borders.

***Iris**. Germanica. Excellent for borders. Can supply in colors as follows: Blue, cream, purple, bronze, lavender, yellow, pink.

Iris Dalmatica. The finest of all Iris. Grows to four feet, producing massive flowers of rich lavender. Very fragrant.

Lathyrus Latifolius (Everlasting Pea). A desirable, hardy climber, much like the annual sweet pea. Six feet, July, white, pink, red.

***Linum** (Flax). A desirable border plant having light, graceful foliage and bearing flowers all summer.

***Alpinum**. 1 to 1½ feet, June to July, blue.

***Arboreum**. 1 foot, May, yellow.

Lupinus. Somewhat resembles the larkspur but has a greater variety of colors and is fragrant. We have it in white, yellow and lavender-blue. **25c each; \$2.50 per doz.**

Oriental Poppy. The largest poppy, often nine or ten inches across when open. Color is a rich, fiery red. Perfectly hardy.

Pentstemon. A rather low border that is hard to beat, the blooms rise above a beautiful mat of variegated foliage.



Hardy Phlox

Hardy Phlox Special Collection. Crimson, white, white with red eye, pink, lavender, purple.

Platycodon (Chinese Bell Flower). Attractive border plant with peculiar shaped blue flower. Blooms in July and likes lots of sun. **25c each; \$2.50 per doz.**

Pyrethrum (Persian Daisy). A fine perennial, greatly improved of late. Prefers a rather open location, grows two to four feet, flowers are of Daisy type in a good variety of colors.

***Ranunculus** (Buttercups). Deep green foliage, small, bright yellow flowers in clusters. A good border plant. No particular soil needed.

Salvia (Meadow Sage). A group of plants giving exceptionally fine spikes of small, graceful blue flowers. Do well anywhere in the border.

Scabiosa (Blue Bonnet). Good border plants. Fine blue flowers on long stems, good for cutting. Any well drained soil and a sunny place needed.

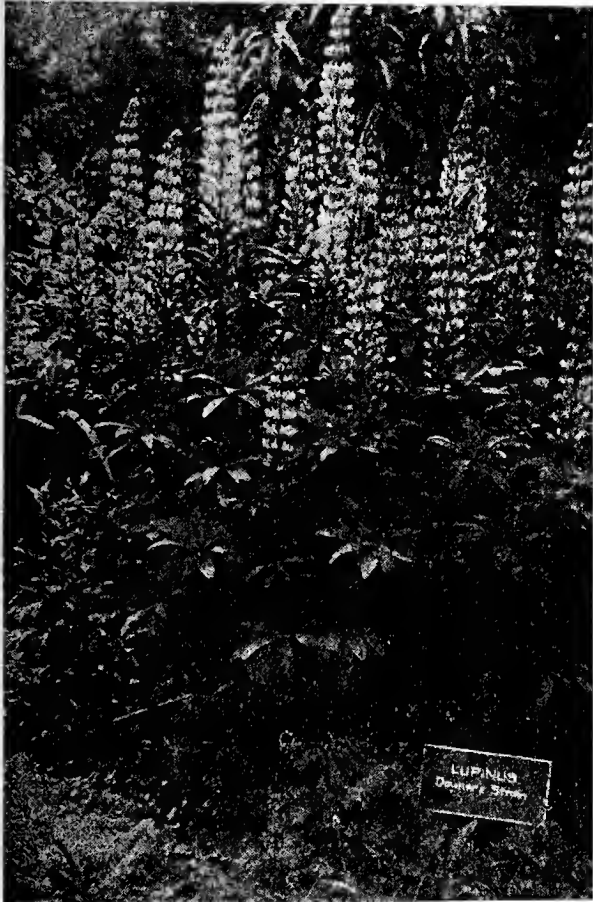
Shasta Daisy (Alaska). Immense white flowers with yellow center.

Statice (Lavender Baby's Breath). Produces a profusion of tiny lavender colored blooms in clusters or sprays useful for blending with other flowers. Can be cut when in full bloom and dried for winter use.

Sweet William. Flowers in clusters like phlox.

Tritoma (Red Hot Poker). One of the most attractive perennials. If you want a bed of flaming color that will last through the summer this is the one to use. A little more expensive to start than annuals but cheaper in the long run. Colors: White, yellow and orange red. **35c each; \$3.50 per doz.**

Veronica. (Speedwell). Some of the best garden subjects are found here. A fine range of blue spikes with attractive grayish foliage. Will do finely in any good rich soil in full sun.



Lupinus

Splendid Varieties of Iris



Iris

Healthy stock, grown in sunny Colorado, the ideal Iris climate. Standard divisions, all guaranteed true to name. **All Iris Priced prepaid anywhere in U. S.**

Ambassadeur. A remarkable French variety that will eventually be in the collection of every Iris lover. Standards bronzy-violet. Falls rich velvety red-violet. **Each 25c.**

Black Prince. The true Perry origination. Standards intense violet-blue. Falls black-purple, suggesting that rich velvety texture of the famous Dominion Iris. **Each 25c.**

Dream. Standards and falls both lilac to Chinese violet. Classed as pink, and one of the finest in this color class. A sure enough lovely dream. **Each 20c.**

Isolene. Standards lovely rose-pink. Falls purplish-old rose with golden throat. **Each 20c.**

Lent A. Williamson. Very large flowers on tall, strong stems. Standards lavender-violet. Falls velvety violet-purple. The whole flower is suffused yellow, more heavily towards the center. A massive Iris, vigorous in growth and a beauty. **Each 15c.**

Mother of Pearl. Both standards and falls iridescent shades of mother of pearl. Good large flowers on tall stems. **Each 25c.**

Oriflamme. An enormous-flowered French Iris of most pleasant color combination. Standards dark lavender. Falls hortense-violet. Edges of the sweetly scented blooms are daintily waved or crimped like a Spencer Sweet Pea. **Each 15c.**

White Knight. Strong growing plant with pure white blossoms. **Each 15c.**

Special IRIS Collection—12 Unnamed Varieties for 75c. This might be called the beginner's collection. It is offered to illustrate the value of some of the new kinds.

Peony Roots. (See inside back cover). In addition to the named varieties there listed, we offer the following special assortments.

1 each RED, PINK and WHITE, unnamed, 75c POSTPAID

6 assorted all different, including 1 choice red, all labeled as to color and variety, \$1.40 POSTPAID

Choice Hardy Lilies

Auratum. "Gold Banded Lily of Japan." Our customers have repeatedly written us praising our stock of these Japanese Lilies. They are perfectly hardy and will increase in number from year to year. **40c each; \$4.00 per dozen.**

Rubrum. "Crimson Lily of Japan." **40c each; \$4.00 per dozen.**

Regale. "Most beautiful of all Hardy Lilies." White, with yellow throat. **40c each; \$4.50 per dozen.**

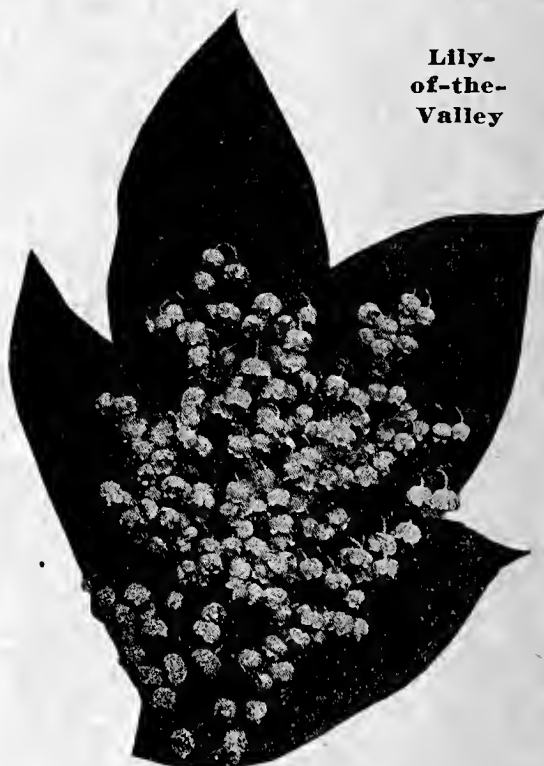
Tiger Lilies. Double. Immense clusters of orange-red flowers. Hardy and easily grown. **15c each; 2 for 25c; \$1.50 dozen.**

Lily-of-the-Valley

A shady corner is the place for these beauties. The flower is justly famed and will grow in almost any soil, though doing best in a sandy loam. **Dozen 75c; 100 for \$5.00.**

To insure success with hardy lilies, see that the soil has proper drainage. Lilies do best in light, sandy soil and if conditions do not correspond to that requirement, sand, gravel, or broken pottery should be well mixed into the soil 12 or 14 inches below the surface. Lily of the Valley is a lover of cool shady places and light sandy soil. Given such a location it will bloom profusely and spread rapidly.

Lily-of-the-Valley



Summer Flowering Bulbs

THESE PRICES ARE PREPAID

Magnificent Selected Gladiolus

Gladiolus bulbs may be had in literally thousands of different named varieties. We are listing what we consider the cream of the good, medium priced ones, but will be glad to quote on any others that you may desire.

All of the following varieties, 5c each; 12 for 50c; 25 for \$1.10; 50 for \$1.90; 100 for \$3.25.

America. A large light pink.

Baron J. Hulot. The best purple.

Chicago White. One of the earliest pure whites.

Golden Measure. The best large, deep golden yellow.

Halley. Deep salmon-pink, with creamy blotch and red stripe.

Herada. Large pure mauve, with deeper markings in throat.

Joe Coleman. Large, rich red.

Los Angeles. Shrimp pink with orange carmine throat. When first bloom is cut, it will produce another.

Mrs. Francis King. Brilliant vermillion scarlet. One of the best.

Mrs. Frank Pendleton. Salmon pink with rich maroon blotch.

Peace. Very large white, with violet feathering.

Prince of Wales. An unusual coral pink.

E. J. Shaylor. A deep rose pink with darker throat.

Virginia. An intense scarlet red.

Surprise Gladiolus Mixture

The best assortment we know how to put up.

12 large bulbs for 35c; 25 for 60c; 100 for \$2.50; 1,000 for \$20.00, postpaid.

Caladiums or Elephant's Ears

Medium sized bulbs, 15c each; 4 for 50c; Giant bulbs 25c each; 5 for \$1.00. To make the best growth they must have plenty of water. In planting, make a circular trench about the plants to hold water. We have seen plants with leaves 2½ feet wide.

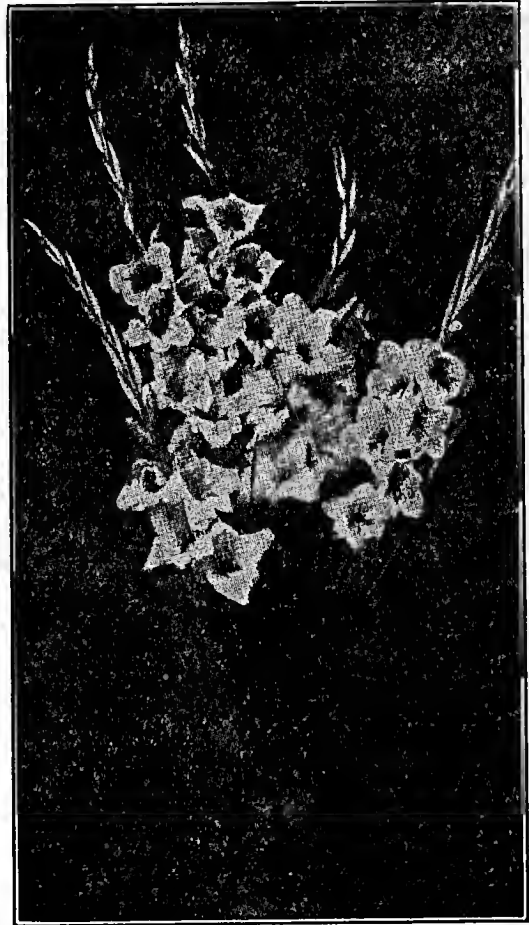


**All-Leather — DIRT-PROOF
SOFT AS KID — Extra Pliable**

Ideal gloves for men and women, made from select imported leather processed to render it amazingly soft and pliable, as well as durable. Permit almost barehand freedom with perfect comfort, yet insure complete protection from dirt, scratches, bruises, stains. Economical—outwear 6 pairs of fabric gloves and are useful the year round for Garden, Housework, Painting, Yard, Furnace, Garage, etc.

WASHABLE!

Sizes for women: "Small," "Medium," "Large"—for men: "Medium," and "Large." Price, 75 cents a pair (2 pair, \$1.40), postpaid.



Calla Lilies

Yellow. 20c to 25c, according to size. Order early, as supply is gone after April 1st.

White Callas are available only in the fall.

Tuberose

Dwarf Excelstior Pearl. One of the most delightfully fragrant and beautiful of the late flowering bulbs. Can be taken up and potted for indoor culture in the fall. 6c each; 60c a doz.; 25 for \$1.25.

Cannas

One of the most satisfactory summer flowering bulbs. A bed 7 feet in diameter requires 19 bulbs. A ten-foot bed requires 36 bulbs. We mention only the most popular varieties, but carry others. Prices: Single bulb 15c; \$1.00 per doz.

Hungaria. The best large rose-pink 4 ft.

King Humbert. Large scarlet with bronze leaf. 4 to 5 feet.

Orange Bedder. Bright orange, suffused with scarlet. 4 feet.

Pennsylvania. Scarlet with green foliage. 4 to 5 feet.

Richard Wallace. Bright yellow, with green foliage. 4 feet.

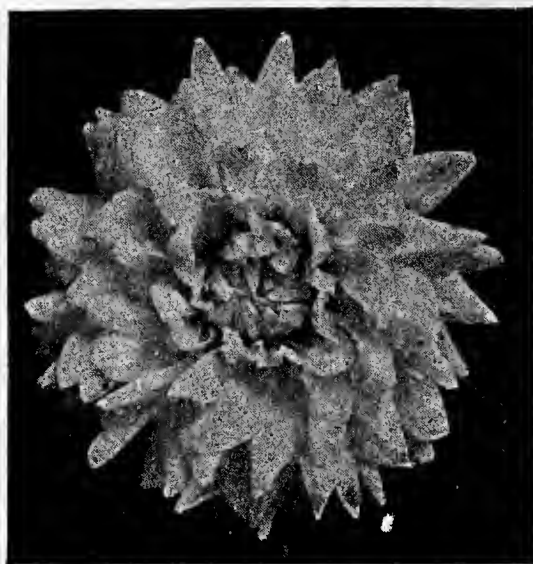
Yellow Humbert. Bright, clear yellow flowers. Green leaf. 4 to 5 feet.

Mixed Cannas for borders and beds. Good assortment. Dozen 75c.

Superb Giant Dahlias

PRICES POSTPAID

Dahlias are easily grown and so exceptionally satisfactory that every garden should have a good variety. Some of the newer varieties are truly enormous in size and striking in color and form. We list only those that are well worth while. If you are a **Dahlia Fancier** bring in your list and let us quote you on some of the more rare kinds



Show Dahlia

Superb Cactus Dahlias

Each 25c; Dozen \$2.40

- Countess of Lonsdale.** The most free-flowering Dahlia grown, rich salmon.
Dainty. Rosy pink, shading to pale lemon.
Emily Russel. An American beauty red with good stems.
Genesta. Rich bronze with orange cast.
Standard Bearer. Rich fiery scarlet.

Standard Decorative Dahlias

Each 25c; Dozen \$2.40

- Berch Von Heemstede.** An extra fine, clear, rich yellow.
Dellce. A glowing rose-pink that is sure to please. The stems are long and stiff.
Flamingo. An ideal variety for cutting. Bright shell pink.
Mina Burgle. A very free-flowering, vivid dark red on good stems.
Mrs. Thos. Burch. Rich old gold, sometimes marked with pink.
Souvenir Douzon. An immense flower with flat petals, full to the center. The largest red in the decorative section.

Show and Fancy Dahlias

Each 25c; Dozen \$2.40

- Dr. I. B. Perkins.** An ideal white. Its large, pure white flowers are borne on long stems.
D. M. Moore. A deep, velvety maroon of mammoth size.
W. W. Rawson. An exceptionally fine pure white, tips of petals overlaid with delicate lavender.
Stradella. A large, full, well rounded purple.
Victory. Of immense size and perfect form, deep yellow, each petal tipped with cherry red.

Giant Peony-Flowered Dahlias

(see illustration next page)

- Coconina.** Intense vivid red on good stems. An early and free bloomer. 25c each.
Doris Wilmore. An extra large, fine dahlia with long, erect stems. Keeps well in water as a cut flower. Color, rich apricot bronze, 50c each.
Francis Daniels. Long, erect stems hold bloom above foliage, a delicate shade of light pink. An ideal peony type. 50c each.
Happy Dream. Large flowers of good substance, stems long and wiry. Bright pink, shaded lavender. 50c each.
Isa. Light fawn pink changing to amber. Very free bloomer. Beautiful for evening decoration. 50c each.
Laura Barnes. Beyond question one of the grandest dahlias ever grown. Immense orange red. One of the most popular. 50c each.
Naiad. A beautiful flower resembling a water lily. A cream-pink. Excellent for cutting. 50c each.
Oriole. A fine, large dahlia with good stems. Color, burnt orange, sometimes with white tips. 50c each.
Sweetheart's Bouquet. An unique shading of salmon rose. Very large, with good stems. 25c each.
Whip O' Will. An immense flower, 7 to 9 inches in diameter. Petals broad and flat, color, vivid scarlet. 50c each.

Protect your hands with Eezy Wear Garden Gloves. They are so soft, so easy to clean, so comfortable.

Only 75c per pair, and will last several seasons.

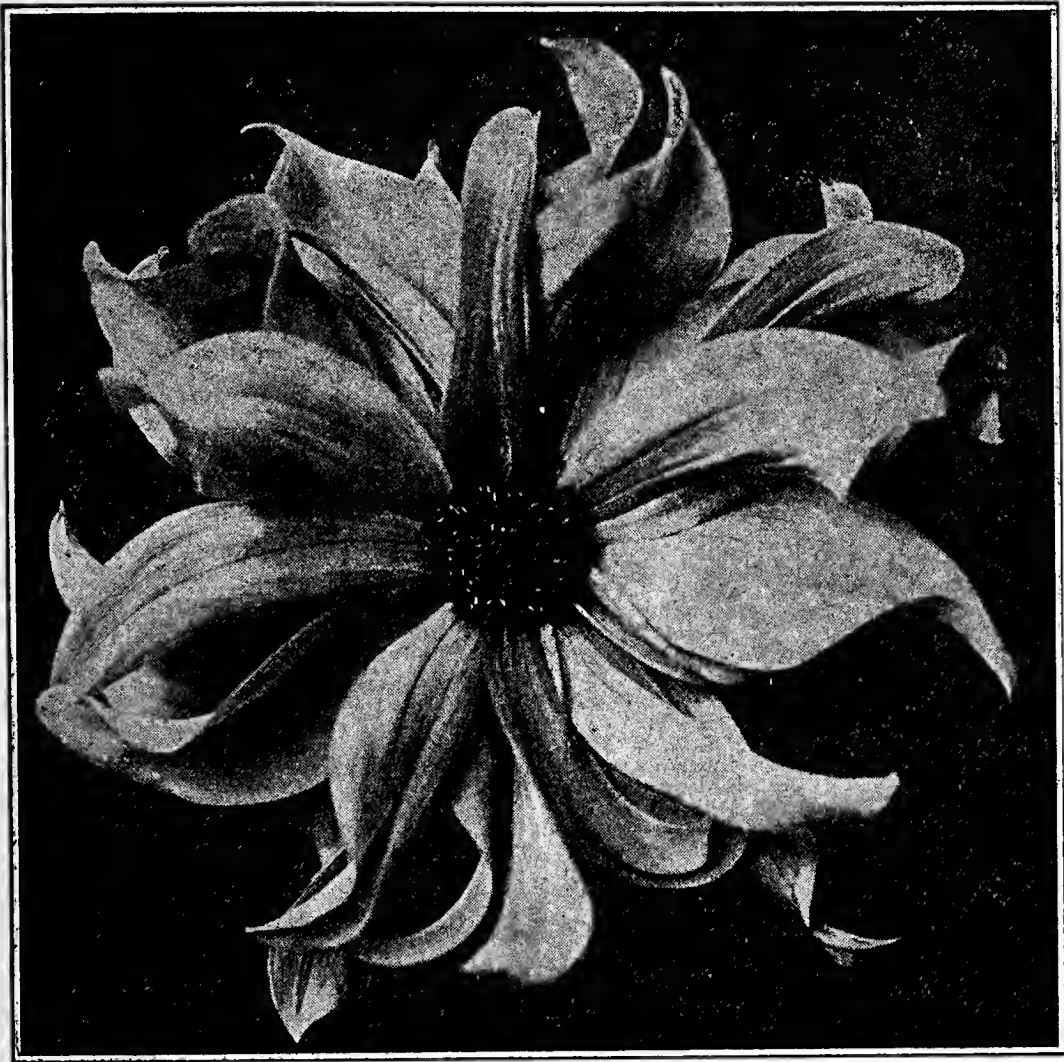


See page 23 for description of Eezy Wear Garden Gloves. They make gardening a pleasure because they fit so perfectly you hardly realize you have gloves on, yet your hands are protected.

SEE NEXT PAGE FOR FANCY DAHLIAS

New Dahlias of Unusual Merit

ALL POSTPAID



Peony-Flowered Dahlias

Pride of Fort Morgan. A giant red decorative type. The largest and best red of its kind. Often 9 inches or more in diameter. 75c each.

Elizabeth Long. A giant flower on plants up to 7 feet tall. Diameter of blooms 9 to 11 inches. Color, a combination of autumn tints, amber, pink and bronze. A dahlia you will be proud to own. \$1.50 each. A hybrid cactus.

Dahlmoor Orchid. Another hybrid cactus dahlia of exceptional beauty. The color is a clear orchid pink. Flowers are large, with broad petals, facing upward at the end of the stems. \$1.50 each.

Dahlmoor Radiant. A rich garnet-red, on long stems. Blooms early and freely. \$1.50 each.

Avalon. One of the largest and finest dahlias grown. Clear, rich yellow with good stems. 50c each.

Blue Bird. The nearest approach to a blue yet originated. In twilight it appears a distinct blue. A large decorative type on good stems. 50c each.

Graustark. A large mauve-pink with stems 18 to 20 inches long. Fine for cuts. Decorative type. \$1.00 each.

Jane Cowl. A wonderful decorative that has won prizes wherever shown. Flowers are 8 to 11 inches in diameter. Old gold and amber. 75c each.

Kathleen Norris. The wonder dahlia of the century. A huge clear pink on upright, long stems. The best pink dahlia grown. \$2.50 each.

Lemonade. Immense clear, lemon-yellow of fine formation. \$1.00 each.

Pattisumma. Large decorative, with long stems. Glowing, rich purple. 75c each.

Pflagers Victory. One of the best whites yet produced. Flowers are large and of excellent form. Highly recommended. \$1.00 each.

Souvenir St. Mihiel. Color, darkest crimson red without shading or variation. Large, and well formed. 75c each.

Tessibel. A fine, new decorative, with long stems and fine form. A violet pink. A very pleasing color. \$1.50 each.

Wildemere. The plant is of dwarf and bushy habit. Flowers perfectly formed and large. A fawn pink. 75c each.

Hardy Field Grown Rose Bushes

WE RECOMMEND EARLY PLANTING FOR THESE HARDY ROSE BUSHES, MARCH OR EARLY APRIL, WHERE POSSIBLE. Early planting while bushes are dormant is much better because growth is practically 100% assured when the weather is cool and soil naturally moist.

A NEW, SENSATIONAL CLIMBING ROSE

"BLAZE" \$2.00 EACH

POSTPAID

WHAT DO YOU THINK OF AN EVER-BLOOMING, BLAZING RED, CLIMBING ROSE?

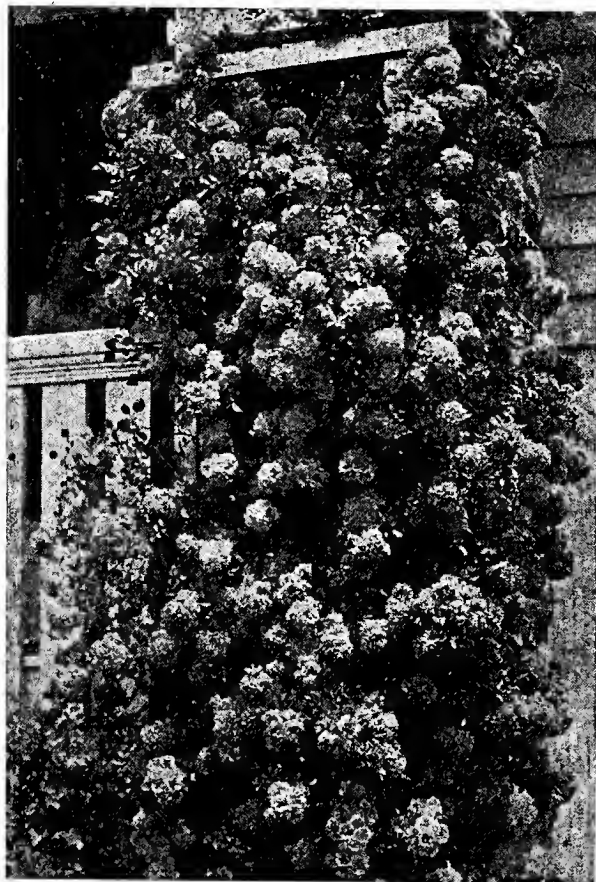
That's what we offer in "BLAZE," the new SENSATION of the CENTURY, awarded plant patent No. 10. This new climber is a marvel of beauty and hardiness, the brightest imaginable red, flaming red. Individual flowers are large and in dense

clusters that practically cover the vine. In our climate, here in the Rocky Mountain states it is in bloom throughout the entire season. This is the long-sought climbing rose, one that will blossom throughout the spring and summer months. The supply is limited for 1933 and we urge you to order as many as you want as soon as you receive your catalog. Shipments will be made any time after March 15th, or when requested, up to May 1st.

Simpson's Special Offer of Quality Pak Rose Bushes at 65c each.

Postpaid.

QUALITY PAK ROSE BUSHES AND SHRUBS are **NORTHERN GROWN**, and guaranteed hardy in this climate. They must not be confused with cheap southern grown roses that so provokingly fail to appear the second season. **QUALITY PAK** roses and shrubs are packed in sturdy cartons, with roots in moist peat. Each carton bears a label showing, in natural colors, the bloom at maturity. A cellophane front enables you to see the sturdy, green bush, and its airtight construction assures you that your plants will reach you in perfect condition.



Crimson Rambler

QUALITY PAKS

contain the finest varieties of hardy roses, shrubs, evergreens and vines. They are sold to you at very economical prices, yet each plant is carefully selected from highest grade nursery stock. **Quality Pak** plants will produce results for you the first year. A complete list of varieties is now on display at our store. You will find the varieties pictured in full natural color on each **Quality Pak** to aid you in making your selections. This collection contains some of the finest varieties of Hybrid Perpetuals and Hybrid Teas, Climbing Roses, Shrubs, Vines and Evergreens, all selected for their suitability for this community.



Everblooming Roses

Quality Pak Everblooming Bush Roses 65c each, postpaid.

American Beauty, cerise-red, probably the most popular and most satisfactory rose in existence.

Crimson Baby Rambler, light, bright crimson. Not the climbing rambler. Flowers in dense heads or sprays, keep trimmed to about 24 inches high.

Crusader, one of the best, large crimson-red.

F. J. Grootendorst, small, bright crimson flowers of the baby rambler type in dense clusters.

Francis Scott Key, giant red, wonderfully shaped, extremely double. A beauty.

General Jacqueminot, an old favorite red, unusually large and double. Free bloomer.

Gruss an Teplitz, a free blooming dark red, flowers continuously.

Hoosier Beauty, a vigorous plant with quantities of velvety crimson blooms of exceptional size.

Killarney Queen, more double than Pink Killarney, and a little deeper pink. You will want several of this beauty.

Lady Hillingdon, a very popular apricot-yellow, a very beautiful rose.

Los Angeles, satiny pink, richly shaded with deep rose and gold. One of the most satisfactory roses we have ever offered.

Madame Butterfly, the finest rose of the Ophelia type, bright light pink, shaded gold.

Paul Neyron, dwarf bushes, bearing gigantic bright pink blooms. The largest pink in cultivation, and without thorns.

Pink Killarney, a clear, light pink, noted for its beautiful buds.

Pink Radiance, large, brilliant rose-pink. One of the very best pinks ever offered.



Red Radiance

Red Radiance, a bright red, of wonderful form and beauty.

Sensation, handsome buds opening into large, fully double blooms of deep maroon. Truly a sensation.

Sunburst, one of the best salmon pinks. Large cupped flowers shaded with orange.

TALISMAN, undoubtedly the most popular glowing, golden yellow. Blooms are full, double and fragrant; stained with copper-red and orange-rose on the inside of the petals.

White Killarney. The most satisfactory white rose. Buds are beautifully tapered, opening into the purest white.

QUALITY PAK CLIMBING ROSES

65c Each, All Postpaid

American Beauty Climber. Flowers identical with the American Beauty bush rose, but of climbing habit. Will grow 8 to 12 feet the first year. Blossoms are set thickly with good stems.

Crimson Rambler. Small scarlet-crimson flowers in clusters. Very satisfactory.

Excelsa. Bright crimson flowers in dense clusters.

Paul's Scarlet Climber. Flowers large, well shaped, vivid scarlet-red.

Pink Dorothy Perkins Climber. Flowers soft shell-pink in clusters that nearly cover the vines.



White Killarney

Quality-Pak Shrubs

The Following Shrubs are in Quality-Pak Cartons

This method of packing insures these SHRUBS reaching you in perfect planting condition, as fresh as if just dug from their nursery row.

ANY OF THE SEVEN FOLLOWING SHRUBS, 65c EACH. Postpaid and Guaranteed

Spiraea Van Houttii (Bridal Wreath). One of the easiest to cultivate, and one of the most beautiful; during early spring blooming season the whole bush is a mass of pure white, remaining in bloom for several weeks. Can be trimmed back to any size or shape.

Spiraea Anthony Waterer. One of the most attractive, especially where bright colors are desired. The bush is of rather dwarf habit, blooms brilliant crimson continuing throughout the summer.

White Snowberry. A very decorative bush. Blooms through June and July with rose colored flowers, followed by clusters of

white berries that remain through the winter.

Honeysuckle, Pink, (Tartarian). Profusion of bright pink flowers. You will want several of these beauties.

Lilac (French). The most hardy lilac, seldom caught by early frosts. Profusion of purple blooms.

Syringa (Mock Orange). Decorative bush with an abundance of creamy-white, sweet scented flowers. Very popular.

Hydrangea Paniculata Grandiflora. A most beautiful shrub with immense clusters of white flowers shading to pink.

Quality-Pak Roses and Shrubs Will Bloom Weeks Ahead of the Ordinary Dormant Kinds

HARDY FIELD GROWN FLOWERING SHRUBS

Almond. Pink flowering. The first shrub to flower in the spring. The whole bush is covered with beautiful double pink flowers before the leaves appear. **Each 60c. Postpaid 70c.**

Barberry. New red leaved. The foliage is a rich, bronzy red, changing to vivid orange, scarlet and red in the fall. **Each 60c. Postpaid 70c.**

Butterfly Bush. (Buddleya, Summer Lilac). See page 22.

Bridal Wreath. *Spiraea van Houttii.* The most beautiful of all *Spiraeas*, blooming in early spring. Resembles a mass of snow. **Each 50c. Postpaid 60c.**

Dogwood. Coral or yellow. We can supply both. Coral Dogwood has bright red limbs and branches, and the Yellow Dogwood has yellow branches. These two Dogwoods make a beautiful contrast when planted together. **Each 50c. Postpaid 65c.**

Honeysuckle. Pink tartarian. Bright pink flowers in profusion. **Each 60c. Postpaid 70c.**

Hydrangea. *Paniculata grandiflora.* A most beautiful shrub with immense clusters of white flowers shading to pink. **Each 50c. Postpaid 60c.**

Lilac. White. An old favorite that deserves space in every yard. **Each 60c. Postpaid 70c.**

Lilac. Persian purple. More dwarf than the white, and less liable to lose blooms through early frosts. Beautiful shade of purple. **Each 50c. Postpaid 60c.**

Mock Orange. Early flowering, tall shrub that is justly popular. **Each 50c. Postpaid 60c.**

Quince. Japanese. The shrub is simply covered with dazzling scarlet flowers through the early spring, followed by quince shaped fruits which are fragrant. **Each 50c. Postpaid 60c.**

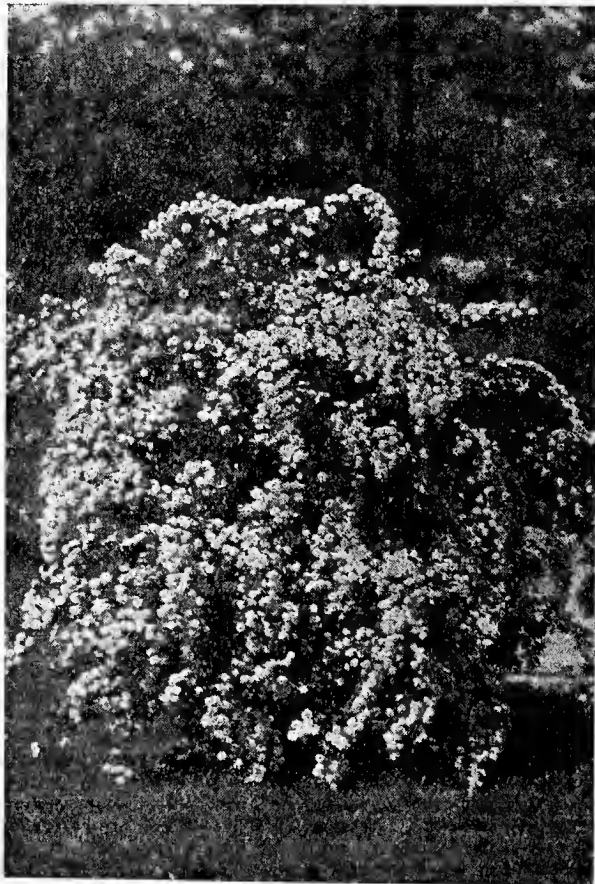
Snowball. Covered with white balls of flowers through the early spring. **Each 60c. Postpaid 75c.**

Snowberry. White. Blooms during June and July with rose colored flowers, followed by clusters of milk-white fruits that remain through the winter. **Each 40c. Postpaid 50c.**

Snowberry. Red. Similar to the white, except that the fruits are red. Becoming very popular as it is better known. **Each 40c. Postpaid 50c.**

Tamarix. Fine, feathery foliage with soft pink flowers in July and August. Rather tall. 3-4 ft. size, **50c each. Postpaid 60c.**

Hedge Plants. Amoor River Privet. Our stock is northern grown, therefore very hardy. 24 plants will make a 10-foot row planted in a zigzag double row. Can be set in single row 10 to 12 inches apart, but planted in this way will make a thinner hedge. 12-18 inch, **\$1.50 doz.; 25 for \$3.00; 100 for \$10.00.** Add 10 per cent for postage, or may be sent express collect.



Bridal Wreath

Hardy Climbing Vines



Clematis Paniculata

Maderia Vine. Grown from tubers that resemble a potato. This vine is well worth your attention, as the foliage is peculiarly attractive. Freezes down to the ground in winter. Tubers should be dug before killing frosts and stored in a cool, dry cellar. Large tubers. 10c each; 90c doz., postpaid.

Matrimony Vine. Has small white flowers with scarlet fruit in the autumn. Used as a ground cover or for hanging over walls and fences, will climb to moderate height if supported. Each 25c; postpaid, 35c.

Silver Lace Vine. A hardy climber introduced from Turkestan. To see one is to want one. It grows rapidly and clings to any support. Each slender branch terminates in a spray of foamy white flowers. Will reach a height of 10 to 15 feet. Strong plants. 90c each, postpaid.

Sweet Pea, Perennial. This vine is very popular because it is so easily grown. The flowers are formed in clusters and come in red, white and pink. Assorted colors only. 25c each; \$2.50 doz., postpaid.

Trumpet Vine. See Honeysuckle, Scarlet Trumpet, above.

Wisteria, Purple. A rapid growing vine with purple-lilac, pea-shaped flowers in racemes. Very hardy. Each 90c, postpaid.

Cinnamon Vine. Very satisfactory for low walls or fences. Foliage is not dense, but is lacey in effect, with glossy, dark green leaves. Good sized tubers. 10c each; \$1.00 doz., postpaid.

Clematis Jackmanii. The most beautiful of all climbers. Large, star shaped purple flowers in clusters. 75c each, postpaid.

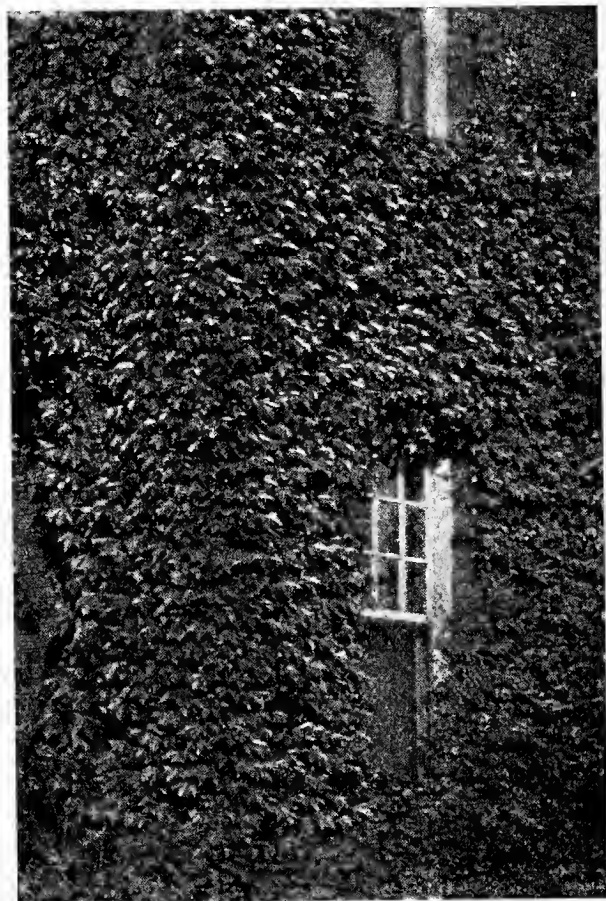
Clematis Paniculata. The white Clematis. The flowers are pure white and borne in immense sheets covering the whole vine. Each 50c, postpaid.

Dutchman's Pipe. A vigorous grower with large, broad leaves and brownish colored flowers shaped like a pipe. Each \$1.00, postpaid.

Honeysuckle, Scarlet Trumpet. Very strong, rapid grower with red, trumpet-shaped flowers. One of the first vines to show green in the spring. Strong roots. 50c each, postpaid.

Ivy, Ampelopsis Engelmanni. A rapid growing vine that clings tightly to brick or stucco walls. Young plants should be fastened to wall by means of cloth strips, until the suckers form. Each 50c, postpaid.

Kudzu Vine. A Chinese introduction that has become justly popular. While slow to start off, after three or four weeks begins to grow amazingly fast. In good soil and sunny location will sometimes reach a height of 60 to 70 feet in a season. Very effective when planted against tree trunks. Each 50c; \$5.00 doz., postpaid.



Ivy—Ampelopsis Engelmanni

Trichosanthes Cucumeroides

A NEW NOVELTY CLIMBER GROWN FROM SEED

A hardy climber with blooms about 3 inches in diameter, feathery in appearance like long serrated Dianthus. After flowering, bears fruit which turns to a brilliant scarlet 4 to 5 inches long, in shape similar to a cucumber. Plant a packet of this seed and get your neighbors guessing. Imported from Japan. Pkt 25c.

Never an Evergreen Bargain like this!

EVERGREEN COLLECTIONS

Never before have we been able to offer a bargain like this. Evergreens are justly popular for lawn or parking plantings, foundation plantings or rockeries. The collection offered below make it possible for you to buy a whole set for the price of a single tree. These trees are not seedlings. They are all twice transplanted and grown by the largest evergreen nursery in America.

Prices are POSTPAID, shipment direct from the nursery with safe arrival guaranteed.

LAWN COLLECTION—\$5.50 Postpaid

5 White Spruce	8-10 inches
5 American Arborvitae	10-12 inches
5 Douglas Fir	8-10 inches
5 Mugho Pine	6-8 inches

ROCK GARDEN COLLECTION—\$4.25 Postpaid

1 Pfitzer Juniper	8-10 inches
1 Savin Juniper	8-10 inches
1 Mugho Pine	6-8 inches
1 Woodward Arborvitae	10-12 inches
1 Douglas Fir	10-12 inches
1 Pyramidal Arborvitae	10-12 inches
1 White Spruce	10-12 inches
1 American Arborvitae	10-12 inches

FOUNDATION COLLECTION—\$7.25 Postpaid

2 Pfitzer Juniper	10-12 inches
2 Mugho Pine	10-12 inches
2 Pyramidal Arborvitae	12-18 inches

COLORADO BLUE SPRUCE

This is the most beautiful of all the evergreens. Its distinct bluish color is immediately noticed. These trees are taken from our mountains and transplanted in the nursery for two to three years, giving them better shape and root growth. 18-inch, \$3.00; 24-inch, \$4.50; 30-36-inch, \$7.50. Not Prepaid.



White Spruce



Mugho Pine



American Arborvitae

Shade Trees

Ash. European Mountain Ash. Has green fern-like foliage and is covered with red berries from late summer throughout the winter. A very attractive and ornamental tree. 5-6 ft. \$1.50; 6-8 ft. \$2.00.

Birch, Cut-Leaved Weeping. The true white-barked weeping Birch. The most beautiful of the lot. 6-8 ft. \$3.00; 8-10 ft. \$4.50.

Chinese Elm. Perfectly hardy and the fastest growing tree. Remarkably free from insects and plant diseases.

4-5 ft.....\$.60	Ten for	\$5.00
5-6 ft......75	"	6.50
6-8 ft......90	"	8.00
8-10 ft.....1.25	"	11.00

Honey Locust (Thornless). This is an old favorite and justly popular. 8-10 ft. \$1.50.

Maple (Schwedler Red Leaved). This is one of the most beautiful trees grown. It comes on in the spring with large purplish-red leaves, later on turning to green. 6-8 ft. \$2.50; 8-10 ft. \$4.00.

Maple (Norway). Excellent for specimen planting or parking. 8-10 ft. \$2.50.

Maple (Silver Leaf). The fastest growing of the Maples. 8-10 ft. \$1.00.

Russian Olive. An ornamental tree, blooming in June with yellow flowers in profusion. Excellent in semi-arid countries. 6-8 ft. \$1.25; 8-10 ft. \$2.00.

Fruit Trees

Apple. Two year old, 5-6 ft. Any of the following varieties, 75c; 10 for \$6.50. Delicious, Grimes Golden, Jonathan, Winesap, Yellow Transparent.

Cherry. Two year old, 4-6 ft. 75c each. Varieties, Early Richmond, English Morello, Large Montmorency.

Crabapple. Red Siberian, 75c each; 10 for \$6.50.

Plum. Two year, 5-7 ft. 75c each; 10 for \$6.50. Varieties, German Prune, Lombard, Opate, Sapa, Waneta.

better shrubs and trees

VIGORO

Complete plant food

Hackberry. Has large leaves and strong wiry branches. One of the most satisfactory trees grown. 8-10 ft. \$2.00.

Hawthorn (Coccinia). A bushy, low growing tree bearing white flowers followed with a dull red fruit. Leaves are a riot of color in the fall. 2-3 ft. \$1.00; 3-4 ft. 1.50.

Vegetable Plants and Roots

ALL POSTPAID

Asparagus Roots. See page 9.

Cabbage Plants, Early. Ready in April. 25c per doz.; 100 for 75c.

Cauliflower Plants, Snowball. Ready in April. 30c per doz.; 100 for \$1.00.

Celery Plants, Early. Ready May 15th. 25c per doz.; 100 for 75c.

Chive Roots (Onion Grass), fine for seasoning. 25c per bunch.

Egg Plant, Plants. Ready in May. 35c per doz.; 100 for \$1.50.

Onion Plants, Bermuda. Crystal Wax (white), and Yellow Bermuda (straw color), best planting time in March. To secure best plants order early and specify when wanted. These plants will mature large, sweet onions several weeks ahead of seed.

Per bunch, about 100 plants, 25c; 10 bunches for \$1.50; original crate of 60 bunches, \$5.00. Write for prices for large lots shipped direct from Texas growing station, prepaid.



Pepper Plants (Sweet). Ready in May. 35c per doz.; 100 for \$1.20.

You can get a lot out of your back yard garden if properly handled. We know a man who already this season has got three batches of green onions and three of his neighbors chickens out of his.

Tomato Plants, any standard variety, ready in May. 30c per doz.; 100 for \$1.00. Be sure to protect with **Hotkaps** if planted before danger of late frosts is over. Very much better yields are secured by early planting.

Sage Roots. Garden Sage roots can be planted in some out-of-the-way corner and will be found very valuable for seasoning, etc. 25c each.



Hotkaps

HOTKAP PLANT PROTECTORS

Protect tender plants from light frosts, wind, hail, and insects. Holds moisture and protects from hot sun.

1 doz. for 30c; by mail 35c.

Box of 100, with Papier Mache Garden Setter and Steel Tamper, for \$2.25; by mail, \$2.40.

Germāco Hotkaps

Box of 250, with Setter and Tamper, \$3.50; by mail, \$3.75.

1000 for \$9.75 Not Prepaid. Weight 28 lbs.

5000 for \$48.00 Not Prepaid, weight 140 lbs.

Steel Setter and Tamper, \$2.25; by mail, \$2.40.

Garden Setter, 50c; by mail, 60c.

Steel Tamper alone, 25c; by mail, 30c.

Berries and Small Fruits

Blackberries. Snyder. Each 15c; \$1.00 per doz.; 100 for \$4.50, postpaid.

Currants. Red Cherry. Each 25c; 10 for \$2.00, postpaid.

Gooseberries. Downing, Houghton, or Oregon Champion. Each 25c; 10 for \$2.00, postpaid.

Grapes. Concord, Moore's Early, Brighton, or Niagara. The Concord is 20c each, or 10 for \$1.75. Other varieties, 25c each, or 10 for \$2.00, postpaid.

Raspberries. St. Regis Everbearing. Each 15c; 10 for 80c. Cuthbert, Marlboro, or Kansas Black, each 15c; 10 for 80c; 100 for \$4.00, postpaid.

Strawberries. Mastadon, largest and best of all varieties. 25 for 50c; 50 for 90c; 100 for \$1.25, postpaid.

Lawn Grass Seed

FREE An 8 page folder "How to Make and Maintain A Lawn."

Standard Lawn Grasses, White Clover, Etc.

We offer only seed of known Germination and purity test. Avoid cheap seed as you would a plague. It will bring you nothing but trouble and disappointment.

Kentucky Blue Grass, Extra Heavy, Strictly Fancy Seed. 1 lb. 35c; 3 lbs. for \$1.00; 5 lbs. for \$1.50; 10 lbs. for \$2.75; 25 lbs. for \$6.25. Postpaid.

for Velvety-green Lawns

feed regularly with this complete, balanced diet

VIGORO
Complete plant food



Kentucky Blue Grass, Fancy, Clean Seed of High Germination, 1 lb. 25c; 3 lbs. 70c; 5 lbs. \$1.00; 10 lbs. \$1.90; 25 lbs. \$4.50. Postpaid.

White Dutch Clover, Fanch High-Test Seed, 1 lb. 55c; 3 lbs. \$1.60; 5 lbs. \$2.55; 10 lbs. \$5.00; 25 lbs. \$11.85. Postpaid.

Capitol Lawn Grass Mixture. A mixture that will assure a continuous succession of growth. Based on mixture we used in planting the State House Lawn, in Denver. 1 lb. 35c; 3 lbs. \$1.00; 5 lbs. \$1.50; 10 lbs. \$2.75; 25 lbs. \$6.25. Postpaid.

Kentucky Blue and White Clover Mixed, 1 lb. 45c; 3 lbs. \$1.30; 5 lbs. \$2.05; 10 lbs. \$4.00; 25 lbs. \$9.35. Postpaid.

Shady Spot Mixture. Will grow in shade where other grasses will not thrive. 1 lb. 50c; 3 lbs. \$1.45; 5 lbs. \$2.95; 10 lbs. \$4.30; 25 lbs. \$10.25. Postpaid.

The Bent Grasses

*The square meal
for lawns is
4 lbs of Vigoro
per 100 sq ft.*

Seaside or Coos Bent, ¼ lb. 35c; ½ lb. 65c; 1 lb. \$1.25; 3 lbs. \$3.60; 5 lbs. \$5.90; 10 lbs. \$11.50. Postpaid.

Astoria Bent. Purest and best of all the Bent Grasses, 1 lb. \$1.40; 3 lbs. \$4.05; 5 lbs. \$6.65; 10 lbs. \$13.00. Postpaid.

Miscellaneous Lawn Seed

Establishing a lawn under any and all conditions requires the use of various mixtures and special seeds. When in doubt how to handle your particular problem of lawn making, write us. Our service is **FREE** and gladly given.

Meadow Fescue (English Blue Grass). Used in some mixtures because it germinates quickly and forms a seed bed or protection for other slower germinating grasses. Will eventually be crowded out after it has served its purpose. 1 lb. 25c; 3 lbs. 70c; 5 lbs. \$1.00; 10 lbs. \$1.90. Postpaid.

Chewings Fescue. Good in shady places. Fine blade and bright green in color. Used extensively in putting greens. 1 lb. 45c; 3 lbs. \$1.30; 5 lbs. \$2.05; 10 lbs. \$4.00. Postpaid.

Red Fescue. Has good creeping root system and therefore valuable in any lawn mixture. 1 lb. 45c; 3 lbs. \$1.30; 5 lbs. \$2.05; 10 lbs. \$4.00. Postpaid.

Poa Trivialis. The best grass for deep shade. Similar in appearance to Blue Grass. 1 lb. 45c; 3 lbs. \$1.30; 5 lbs. \$2.05; 10 lbs. \$4.00. Postpaid.

Red Top. A very hardy grass withstanding dry conditions. Used with other grasses in lawn or pasture mixtures. 1 lb. 25c; 3 lbs. 70c; 5 lbs. \$1.00; 10 lbs. \$1.90. Postpaid.

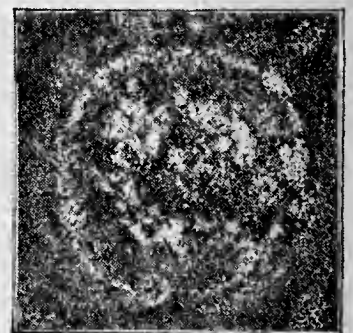
Rye Grass. Nurse crop for lawn mixtures, growing rapidly. 1 lb. 20c; 3 lbs. 55c; 5 lbs. 80c; 10 lbs. \$1.50. Postpaid.

Bermuda Grass. Not always hardy in Colorado, yet used because of its wonderful brilliant green color. Fine in protected places or in the Southern states. 1 lb. 45c; 3 lbs. \$1.30; 5 lbs. \$2.05; 10 lbs. \$4.00. Postpaid.

Brown Patch. A lawn disease that is becoming more common in Colorado. The best treatment is **Semesan** a general disinfectant for vegetable and flower seeds and certain plant diseases. Ask for free descriptive folder. **Semesan** prices, 2 oz. tin, 50c; 1 lb. tin, \$2.50; 5 lb. tin, \$11.75. The small size is

sufficient for the average lawn. Being a poison can not be mailed.

Brown Patch or any other disease is more liable to attack an undernourished lawn, therefore **Feed Your Lawn Vigoro** regularly.



Brown Patch

for better lawns
VIGORO
Complete plant food

Fertilizers for Lawns, Field Crops, Gardens

While We Sell All Standard Brands of Plant Foods and Fertilizers, we recommend Vigoro as first choice because we have found it better balanced than others, and with more lasting benefits. If you will read the letter below, from one of Denver's most substantial citizens, you will understand why we feel the way we do about Vigoro.

Denver, Colorado
June 30, 1932.

Simpson Seed & Floral Co.,
1551 Champa Street,
Denver, Colorado.
Gentlemen:

Last Spring I purchased, on your recommendation, 200 pounds of Vigoro, fertilizer for my lawn, shrubbery and trees. You spoke so enthusiastically about this fertilizer that it left a small "doubting Thomas" streak in me. However, I used Vigoro as you directed and the results I obtained were astonishingly good. It really made a new lawn out of an old one with one dressing, and I obtained equally good results with my shrubbery and trees.

I heartily recommend Vigoro to anyone desirous of an extraordinarily good fertilizer. Really, the results were far beyond my expectations.

Very truly yours,
(Signed) J. H. K. Martin.

JHKM C.

VIGORO
Specially prepared plant food

Is Clean, Odorless,
Easy to Apply, and
perfectly balanced.
You can easily apply
Vigoro with a
kitchen colander, or

you can buy a perfectly efficient little
spreader for \$1.65.

See next page for Vigoro Spreaders.

NOT PREPAID UNLESS SO STATED

for Better Lawns

Vigoro, the complete scientifically balanced plant food, produces thick, velvety green lawns quickly. Clean, odorless, easy to use, and inexpensive. Order enough to feed everything you grow.

VIGORO
Complete plant food



Vigoro Prices Again Reduced

100 lb. bag,	\$4.00
50 lb. bag,	2.50
25 lb. bag,	1.50
10 lb. pkg., .....	.85
5 lb. pkg., .....	.50
12 oz. pkg., .....	.10

The Above Prices Are Not Prepaid.

Please include postage if wanted by mail.

With a probable shortage of water in 1933 it will be more than ever necessary to properly feed lawns rather than try to raise them on water alone



Sacco. For lawns, gardens, and vegetable crops. Prices again reduced.

1 lb. can,	\$.15	By mail,	\$.25
5 lb. pkg., .....	.40	By Mail, .....	.55
10 lb. pkg., .....	.70	By mail,	1.05
25 lb. bag,	1.40	} Not Prepaid	
50 lb. bag,	2.35		
100 lb. bag,	3.95		

Wedo. A companion fertilizer to SACCO with weed eliminating elements added.

10 lb. bag,	\$.80	} Not Prepaid
25 lb. bag,	1.65	
50 lb. bag,	2.75	
100 lb. bag,	4.75	

Loma. A commercial plant food popular in some sections of the country.

1 lb. can,	\$.15	By mail,	\$.25
5 lb. cans, .....	.50	By mail, .....	.65
10 lb. bags, .....	.85	By mail,	1.20
25 lb. bags,	\$1.50	} Not prepaid	
50 lb. bags,	2.50		
100 lb. bags,	4.00		

Peat Moss (Granulated).

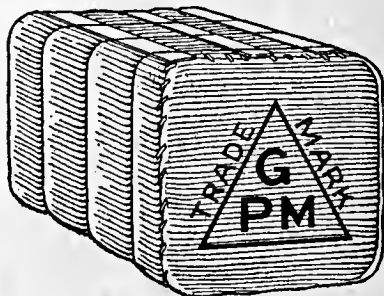
Will lighten heavy clay soil and give it better "body" and consistency.

Just as valuable for too sandy soils because it supplies the needed Humus. Perhaps the

great value of all is that PEAT MOSS corrects Alkaline conditions in the soil, and restores soil to a slightly Acid condition which is necessary to proper growth of grasses. FREE, 8 page folder "How to Make and Maintain a Lawn". Makes a valuable fertilizer when worked into the soil, and should be used in flower and vegetable gardens and around shrubs, roses, trees, etc. Original bale, about 20 bushels before compressing, \$3.75, shipping weight about 160 lbs. Half bale, \$2.25. Sugar sack filled for \$1.00. Not Prepaid.

Mountain Leaf Mould. Carefully selected and cleaned, from Quaking Aspen groves. Just the thing for flower boxes, potted plants etc. and valuable as a general soil builder for flower and vegetable gardens.

100 lb. bags, \$2.50	} Not Prepaid	10 lb. bags, \$.35
50 lb. bags, 1.40		5 lb. bags, .20
25 lb. bags, .75		1 lb. bag, .15
10 lb. bags, \$.70	} Postpaid	
5 lb. bags, .40		
1 lb. bag, .15		



FERTILIZERS—Continued.

Bone Meal (Raw). Rich in phosphoric acid and ammonia. Recommended for Sweet Peas and other flowers. 1 lb. pkg., 10c; 5 lb. pkg., 30c; 10 lb. pkg., 50c; 25 lb. bag, \$1.00; 50 lb. bag, \$1.50; 100 lb. bag, \$2.75. Include postage at zone rates.

Bone Meal (Steamed). For greenhouse benches and general garden use. 1 lb. pkg., 10c; 5 lb. pkg., 30c; 10 lb. pkg., 50c; 25 lb. bag, \$1.00; 50 lb. bag, \$1.50; 100 lb. bag, \$2.60. Include postage at zone rates.

Sheep Manure.

Valuable to correct certain soil deficiencies and, when spaded into the soil, to add Humus. Has some value when applied to lawns in late fall or early spring, but not to be considered of value as a fertilizer as compared to commercial fertilizers such as Vigoro or Sacco. Ours is treated to eliminate weed seeds and undesirable elements. One load of untreated barnyard manure will often ruin a lawn in one season, by reason of its noxious weed seed content. 10 lb. bags, 25c; 25 lb. bags, 50c; 50 lb. bags, 70c; 100 lb. bags, \$1.00 500 lbs. for \$4.50; 1000 lbs. for \$8.75. Not Prepaid.

New Plant Life. Remarkable for house plants. Will double growth and beauty of under-nourished plants. 8 oz. can, 30c; Postpaid, 40c. Try this on your rubber plants and see the change within a few days.

<p>INOCULATE ALL LEGUMES WITH</p> <p>NITRAGIN</p> <p>The Original Legume Inoculator</p>		<p>Leads in High Germ Count Dated — Fresh Each Year</p>	
<p>INOCULATOR PRICES</p>			
<p>When ordering, always specify kind of seed.</p>			
<p>Alfalfa, All Clovers</p>		<p>Soy Beans, Cow Peas Lespedeza (Hulled)</p>	
Size	Retail	Size	Retail
1/2 bu. ....	.50	1 bu. ....	.40
1 bu. ....	.90	2 bu. ....	.70
5 bu.	4.00	5 bu.	1.50
<p>Peas, Vetch, Beans, Austrian Winter Peas</p>		<p>Garden NITRAGIN for Peas, Beans, Sweet Peas</p>	
Size	Retail	<p>Inoculates from 1 oz. to 8 lbs. seed, Price 25c</p>	
1/2 bu. ....	.40		
1 bu. ....	.60		
*1 1/2 bu. ....	.90		
5 bu.	2.50		
<p>*"100 lb. size." Packed only for Vetch and Aust. Pea.</p>			

Nitragin Inoculating Bacteria increases yield and early production, not through fertilization, but by storing Nitrogen in the roots of plants thus enabling the root system to make quick use of needed elements in the soil. Separate cultures for various crops. Be sure to specify crop for which wanted.



Special Garden Size "Nitragin" for Sweet Peas and garden peas, and beans. 25c. All Postpaid.

FULTON'S PLANTABBS

ODORLESS PLANT FOOD TABLETS

A concentrated food for house plants, in tablet form. 30 tablet size, \$.25
75 tablet size,50
100 tablet size, 1.00

Postpaid.

TREAT BEFORE PLANTING WITH

SEMESAN

FOR DISEASE PROTECTION

A mercuric seed and plant disinfectant. Prevents disease and blight and hastens germination. 2 oz. tin, 50c; 1 lb. tin, \$2.50; 5 lb. tin, \$11.75. Can not be mailed.

Semesan Bel, for potatoes. 4 oz. tin, 50c; 1 lb. tin, \$1.75; 5 lb. tin, \$8.00. Ask for descriptive folder. Can not be mailed.

Semesan Jr., for seed corn. 4 oz. tin, 40c; 1 lb. tin, \$1.50; 5 lb. tin, \$7.00. Ask for descriptive folder. Can not be mailed.

Ceresan, for Wheat. A low cost dust disinfectant. 1 lb. tin, 75c; 5 lb. tin, \$3.00. Ask for descriptive folder. Can not be mailed.



Stim-U-Plant Tablets. Excellent for house plants and small shrubs. In tablet form, easy to give.

10 tablet size, \$.15 100 tablet size, \$.75
30 tablet size, .25 1000 tablet size, 3.50
All Postpaid.

Sulphate of Ammonia, sometimes called Ford's Fertilizer. Gives quick stimulation to grass or plants. Care must be used not to apply year after year as soil will soon get out of balance. 1 lb. pkg., 10c; 5 lb. bag, 35c; 10 lb. bag, 60c; 25 lb. bag, \$1.25; 50 lb. bag, \$2.25; 100 lb. bag, \$3.95. Not Prepaid.

Super-Phosphate. Ask for market prices.

Applying Fertilizer to your lawn or garden is greatly simplified if you have one of these

Vigoro Spreaders. They can be adjusted to apply any pulverized plant food, grass or other seeds. Model B, and larger sizes have the following special features: Forced feed distribution principle; shut-off control lever on handle, handy device for regulating rate of application, all metal disc wheels that cannot warp, a scatter-board that permits use even in windy weather; strong construction and ease of operation.



New Low Prices. Not Prepaid

	Width.	Weight.	Capacity of hopper.	Price
Little,	14 in.	6 lbs.	13 lbs.	\$ 1.65
Model B,	14 in.	11 lbs.	13 lbs.	2.75
Junior,	16 in.	16 lbs.	35 lbs.	5.75
Standard,	24 in.	39 lbs.	65 lbs.	10.45
Special,	36 in.	51 lbs.	100 lbs.	16.75

Insecticides

As poisons cannot be mailed, these prices are NOT postpaid. Items marked thus (*) may be mailed if postage is added to order.

Ask For Free Spraying Guide. It Is Very Complete.



All Round Spray (Acme). A combination spray to destroy both sucking and chewing insects and fungus diseases. $\frac{1}{4}$ lb. 40c; 1 lb. 90c.

Arsenate of Lead. For control of all leaf eating insects. $\frac{1}{2}$ lb. 20c; 1 lb. 25c; 4 lbs. 75c.

Bean Beetle Dust. Prepared especially for beans, cucumbers, potatoes, etc. 1 lb. 30c; 4 lbs. 80c.

Black Leaf 40. A 40% nicotine spray used for all soft bodied insects, also for poultry lice by painting on roosts. 1 oz. bottle 35c; 5 oz. bottle \$1.00; 1 lb. bottle \$2.10; 2 lb. tin \$3.10; 5 lb. tin \$5.85; 10 lb. tin \$10.15; 50 lb. drum \$43.00.

Blue Vitriol (Copper Sulphate). Use 1 lb. to 15 gals. water. 1 lb. 20c; 5 lbs. 75c; 10 lbs. \$1.25; 25 lbs. \$2.75; 50 lbs. \$5.00; 100 lbs. \$9.50.

Bordeaux Mixture. 1 lb. 30c; 4 lb. pkg. \$1.00.

Copper Carb. 5 lb. pkg. \$1.25; case of 6 5 lb. pkgs. for \$6.00.

Copper Sulphate. See Blue Vitriol, above.

***Evergreen.** A non-poisonous spray for rose slugs, red spiders, cut worms, plant lice, cabbage worms, etc. It is remarkably effective, and not being a poison, may be mailed.



EVER GREEN
Non-Poisonous Insecticide
KILLS INSECTS
Both Chewing and Sucking Types

1 oz. bottle....\$ 0.35; postpaid....\$ 0.40
6 oz. bottle..... 1.00; postpaid..... 1.10
16 oz. bottle..... 2.00; postpaid..... 2.15
32 oz. can..... 3.50; postpaid..... 3.70
1 gal. can.....11.50; postpaid.....12.00
5 gal. can.....45.00.

***"43" for the Tree.** Use on tree wounds, or where branches have been removed. 1 lb. can 65c, postpaid 75c; $2\frac{1}{2}$ lb. can \$1.55, postpaid \$1.70; 5 lb. can \$2.95, postpaid \$3.15.

Garden Guard (Acme). Powder in sifter top can for dusting on flowers, plants, etc. 1 lb. can 25c; 5 lb. can 85c.

***Grape Dust.** For mildew on plants. 5 lb. pkg. 95c, postpaid \$1.10.

***Grafting Wax.** Use on tree wounds, or where branches have been removed or broken. $\frac{1}{4}$ lb. pkg. 20c; $\frac{1}{2}$ lb. pkg. 30c; 1 lb. pkg. 50c; postpaid.

Hellebore. Powder for sprinkling on roses, etc. $\frac{1}{4}$ lb. pkg. 20c; $\frac{1}{2}$ lb. pkg. 35c; 1 lb. pkg. 60c.

Lime, Hydrated. See listing under Pest Exterminators.

***Lime-Sulphur.** Dry. 1 lb. pkg. 30c; 5 lb. pkg. \$1.25.

London Purple. 1 lb. pkg. 30c.

***Melrosine.** Particularly effective against rose bugs. 1 pt. can \$1.00, postpaid \$1.10.

Nico-Fume (liquid). For killing all kinds of plant lice. 1 lb. can \$2.25; 4 lb. can \$5.75.

Paris Green. $\frac{1}{4}$ lb. 15c; $\frac{1}{2}$ lb. 25c; 1 lb. 45c; 2 lbs. 85c; 5 lb. pkg. \$2.00.

***Powder Guns.** For blowing powder. Empty, 15c each; filled, 25c each.

Pyrox (Nicotine Pyrox). Vastly improved over the plain Pyrox. One of the best nicotine sprays. 10 oz. bottle 50c; 40 oz. can \$1.75.

***Slug Shot.** A favorite for house plants, gardens, shrubs, etc. 1 lb. can 25c, postpaid 35c; 5 lb. can 75c, postpaid 90c.

***Spray Soap (Acme).** A fish oil soap. 1 lb. pkg. 30c, postpaid 40c; 5 lb. pkg. \$1.25, postpaid \$1.40.

***Sulpho-Tobacco Soap.** Combines sulphur with nicotine. 3 oz. cake 15c; 8 oz. cake 25c; all postpaid.

***Sulphur, Powdered,** 1 lb. 10c; 3 lbs. 25c; 10 lbs. 55c; 100 lbs. \$3.50. If by mail, add postage.

***Sulphur, Wettable.** A finely ground sulphur (300 mesh fine), recommended for Brown Rot, Scab, and other Fungi. Will mix with water and work in any sprayer if agitated. 1 lb. 20c; 5 lbs. 75c; 10 lbs. \$1.40; 25 lbs. \$2.75; 50 lbs. \$5.00; 100 lbs. \$9.00. Not prepaid. Free folder describes use for fruit crops or greenhouses.

***Sunoco Spray Oil.** For scale on trees and shrubs. 1 gal. can \$1.50; 5 gal. can \$6.00. Not postpaid.

***Tobacco Dust.** 1 lb. 10c; 3 lbs. 25c; 10 lbs. 75c; 100 lbs. \$4.75. If by mail, add postage.

Two-Way Spray (Acme). Combines action of Arsenate of Lead and Bordeaux Mixture, insecticide and fungicide. $\frac{1}{2}$ lb. 25c; 1 lb. 40c; 4 lb. pkg. \$1.25.



***Acme M-S-R Dusting Sulphur.** Keeps your roses free from mildew, black spot, leaf spot and other hideous fungous diseases. Acme M-S-R Dusting Sulphur is a tonic for roses, chrysanthemums, phlox, delphiniums, sweet peas, lilacs, snap dragons and carnations. 3 lb. pkg. 40c.

DUTOX
REG. U. S. PAT. OFF.
A Non-arsenical Insecticide

Dutox. The non-arsenical insecticide for cabbage, cauliflower etc. 1 lb. can, 50c.

Pest Exterminators



Antrol. The surest cure for ants. Comes in a set of 4 jars for placing in runs or hills, and a 4-oz. jar of poisoned syrup. Complete for 75c. Extra syrup 35c for 4-oz. jar. Extra empty jars 10c each. Cannot be mailed.

"Bait-M" (Acme). A dry granulated bait for cutworms, etc. Place in ring around plants and flowers. 1 lb. can 25c; 3 lb. can 50c; Cannot be mailed.

***Black Flag.** A liquid spray for Flies, Moths, Ants, Mosquitos, Bed Bugs, Roaches, etc. ½ pint 35c, postpaid 45c; 1 pint 60c, postpaid 75c; 1 quart \$1.00, postpaid \$1.20.

Cyanogas. The best and surest ant exterminator. In dust form, used in the hills. Also used for moles, gophers, and prairie dogs. Forms a volatile gas that kills pest immediately. ½ lb. can 45c; 1 lb. can 75c; 5 lb. can \$3.00. Cannot be mailed.

Dandelion Doom. Kills dandelions and noxious weeds in lawns and walks. Quart can 50c; ½ gal. can 65c; gallon can 90c. Not postpaid.

Dandelion Guns. For applying dandelion and weed exterminators. \$1.65 each Postpaid for \$1.90.

Denver Ant Exterminator. A liquid applied direct to ant hills and runways. Very effective. Quart bottle 60c; ½ gal. bottle \$1.00. Cannot be mailed.

***Indor.** An insect killer of national reputation. Used against all sorts of indoor pests. ½ pint 35c, postpaid 45c; 1 pint 65c, postpaid 80c; 1 quart \$1.00, postpaid \$1.20; 1 gal. \$3.50, postpaid \$3.80.

***KNOX-Out Fly Spray.** For livestock. This is the best of the lot. 1 quart 60c, postpaid 75c; 1 gallon \$1.50, postpaid \$1.80; 5 gallons \$6.75; 30 gallon drum \$35.00. Two larger sizes not postpaid.

***Knox-Them-All Spray.** A household spray for bed bugs, moths, roaches, etc. Will not stain. Pint can 40c, postpaid 50c; quart can 75c, postpaid 90c; ½ gal. can \$1.45, postpaid \$1.65; 1 gal. can \$2.45, postpaid \$2.75.

***Lime, Powdered, Hydrated,** Used to sweeten sour soil, also to soften soils inclined to crust over. An application of 4 ozs. to 100 square ft. of lawn will prevent worn infestation. 1 lb 10c; 6 lbs. 25c; 10 lbs. 40c; 50 lb. bag for \$1.00; 2 bags, (100 lbs.) for \$1.75. Not Prepaid.

Mouse Seed. Poison grain attractive to mice and rats. Simply scatter where these pests are found. Pkg. 25c. Cannot be mailed.

As poisons cannot be mailed, these prices are NOT postpaid. Items marked thus (*) may be mailed if postage is added to order.

***Persian Insect Powder.** The base for most insect powders and sprays. ¼ lb. 20c; ½ lb. 35c; 1 lb. 60c; postpaid.

Poison Wheat (Sweeney's). For rats, mice, gophers, etc. 2 oz. pkg. 15c; 4 oz. pkg. 30c; 1 lb. pkg. 60c. Cannot be mailed.

Rat Poisons

Rat-Nip. A paste form in tube to be used on bait such as cake, banana, cooked sweet potato, meat, etc. Very effective. Large tube 35c.

***K-R-O** (Kills Rats Only). A Squill preparation in powdered form to be mixed with any bait attractive to rats or mice. Positively not poisonous. Use freely around the home, barn, poultry house or any rat infested place. 2-oz. can 75c; postpaid.

75c and \$2.00

K-R-O
KILLS-RATS-ONLY



Snarol. A poisoned bait for snails, cut worms, sow bugs, etc. 1½ lb. pkg. 35c; 4 lb. pkg. 85c. Cannot be mailed.

***Sodium Fluoride.** For roaches, water bugs, etc. Also used for poultry lice. 1 lb. pkg. 35c; 3 lbs. for \$1.00; 5 lbs. \$1.50; postpaid.

Sodium Chlorate Weed Killer. 1 lb. 25c; 5 lbs. \$1.00; 10 lbs. \$1.75; 50 lbs. \$7.00. Not prepaid.

***Tree Tanglefoot.** Banding with Tree Tanglefoot is the most inexpensive method of controlling tree pests. 1 lb. can 65c, postpaid 75c; 5 lb. can \$2.75, postpaid \$2.90.

Terro Ant Killer. A liquid for placing in ant hills. Very effective. 2 oz. bottle 50c. Cannot be mailed.

Traps. Victor spring traps for mice, 3 for 10c. Add postage. Wood choker mouse traps, 4 hole, 15c each, postpaid 20c. Spring rat traps, 20c each, postpaid 25c.

Weed Killer—See Sodium Chlorate, above.



Sprayers, Spray Pumps and Dusters

FREE "SPRAYING GUIDE" on request.

Tells How, What, and When to spray

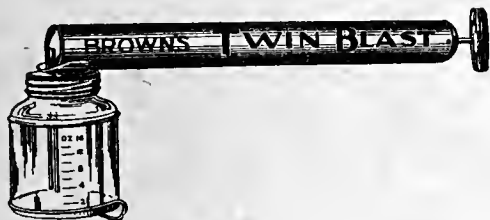


Duster Brown No. 1. A $\frac{1}{2}$ pint all tin duster suitable for ground crops or small trees. Each 60c, postpaid 75c.

Brown's Crystal Duster. A serviceable duster with an 18 inch cylinder, glass tank holding 1 quart, equipped with agitator, spreader, and extension tube. Each \$1.35, postpaid \$1.45.



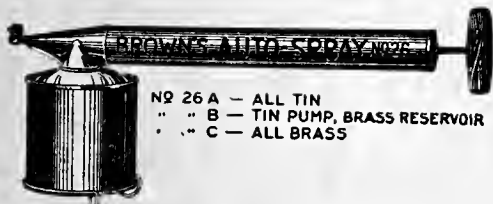
Hudson Household Sprayer No. 2-F. A small sprayer for the home. Each 20c, postpaid 30c.



Brown's Twin Blast Sprayer. Glass reservoir, holding 1 quart, will outlast several tin or galvanized sprayers. Each 65c, postpaid 80c.



Hudson Misty No. 452. A heavy tin quart capacity pump throwing a fine mist-like spray. Each 50c; postpaid 60c.



NO 26 A - ALL TIN
" " B - TIN PUMP, BRASS RESERVOIR
" " C - ALL BRASS

Brown's Auto-Spray. A continuous spray, saving time and elbow grease.

No. 26-A, quart tin tank, \$1.00, postpaid \$1.10.

No. 26-B, brass tank, \$1.50, postpaid \$1.60.

No. 26-A-G, glass tank, \$1.25, postpaid \$1.35.

Whirlwind Sprayers. Quart tank, tin, distributes fine misty spray, without wasting solution. Each 50c, postpaid 60c.



Hudson Senior Modoc No. 132. All brass pressure bucket pump, \$4.25, by mail, \$4.45.

Hudson Junior Modoc, No. 122. All brass, slightly smaller barrel, \$3.75, by mail, \$3.90.

Brown No. 6, will develop 200 lbs. pressure, \$4.00, by mail, \$4.15.

Hudson
Modoc No. 132



Hudson Junior, No. 140-G, $2\frac{1}{2}$ gal., \$4.50, by mail, \$4.65.

Hudson Perfection No. 110, 4 gal, heavily built, \$6.50, by mail, \$6.65.

Hudson Thrifty, No. 120-G, 2 gal., \$3.50, by mail, \$3.65.

Brown's No. 9-D, extra heavy, reinforced corrugated 4 gal. tank, \$6.50, by mail, \$6.75. With brass tank, \$9.50, by mail, \$9.65.

Bamboo Extensions 8 ft. \$3.25 each.

Hudson Bellows Duster, No. 600, \$1.50, by mail, \$1.60.



Garden Tools



No. T-25

Garden Trowels. If by mail, add 5c each.

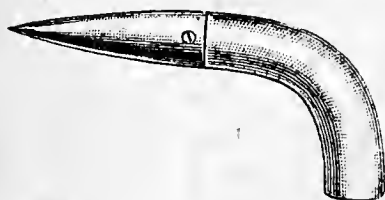
No. T-25. 6-inch transplanting, rolled steel blade. **Each 20c.**

No. T-20. Wide blade. **Each 25c.**

No. 80. One piece all steel, wide blade. **Each 15c.**

No. 81. One piece all steel, narrow blade. **Each 15c.**

No. 82. Five prong all steel weeder, length 9½ inches. **Each 15c.**



Dibbers. All steel well made, for transplanting. **Each 70c, by mail 80c.**



Grasswips. Cut grass and weeds the new way, without stooping. 37 inches long, with 9¼-inch tool steel blade. **Each \$1.00, by mail \$1.10.**



Magic Weeder No. "A." One of the most useful of tools, 3 prongs. **Each 25c, postpaid 35c.**



Hand Weeder No. 830. 5 prong, corrugated handle. **Each 40c, postpaid 50c.**



Pruning Shears No. V-179. 8-inch valute spring. Ladies' shear. **\$1.10, postpaid \$1.20.**

No. 309. California pattern, length 9-inch forged steel blade. **Each 75c, postpaid 85c.**

No. 312. California pattern, length 9 inches, tempered tool steel blade. **Each \$1.45, postpaid \$1.55.**

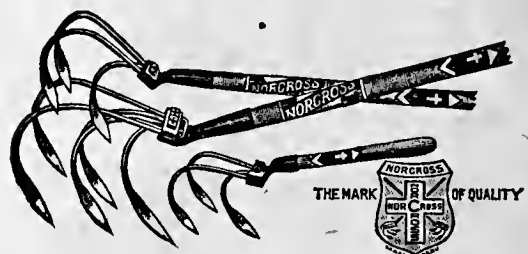


No. V-52

Grass Shear No. V-52. A shear that will last many seasons without sharpening. **\$2.60, postpaid \$2.80.**



Dandelion Knife No. 219. A special knife that will not bend. Tool steel, tempered, with enameled handle. **Each 35, postpaid 45c.**

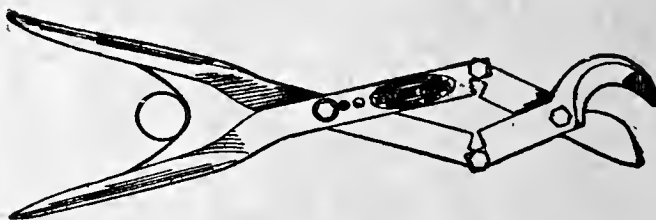


Norcross Cultivators. Every home should have one.

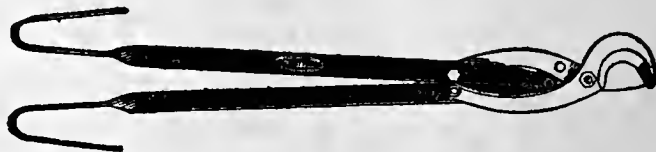
No. 55. 5-prong with full length handle. **\$1.25, not postpaid.**

No. 33. 3-prong, medium length handle. **90c, not postpaid.**

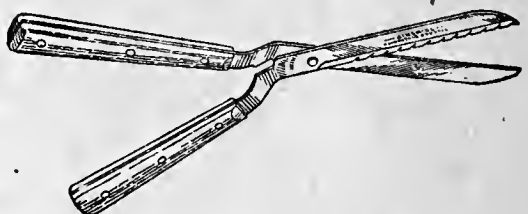
No. 11. 3-prong, short handle. **60c, postpaid 75c.**



McKenney Tree Pruner No. 0. A shear that clips off surprisingly large branches with practically no effort at all. **Each \$2.00, postpaid \$2.15.**

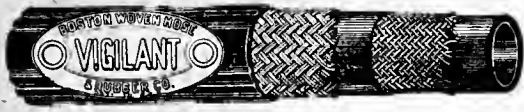


McKenney Tree Pruner No. 1. Has handy grip handle and with its double leverage principle, will cut a broom stick with ease. **Each \$2.50, postpaid \$2.65.**



Hedge Shear, Trimsnip No. 08. Full polished blades with maple handle. 8-inch notched blade. A shear to last a lifetime. **Each 70c, postpaid 80c.**

Rubber Hose and Hose Fittings Nozzles and Sprinklers



Rubber Hose: "Vigilant" brand. A heavy ribbed $\frac{5}{8}$ -inch hose that will give years of service. 25-foot lengths complete with couplings, \$2.45; 50 feet for \$4.75; 100 feet for \$9.00. Extra couplings, 25c set. Not prepaid.



Hose Line with Sprays Attached

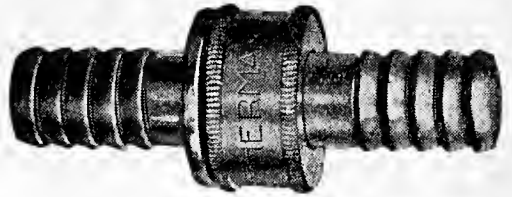
Hose Line with Sprays Attached. It is now possible to buy any length of hose line with adjustable sprays already attached. For large areas, parkings, etc., this arrangement is a winner. Works beautifully even with low water pressure. 25-foot length, with 3 sprays attached, \$5.50. 50 feet with 5 sprays attached, \$8.25. 50 feet with 4 sprays coupled so they may be detached and changed at will, \$9.75.



Diamond Nozzle

Diamond Nozzle. Adjustable. 55c each, postpaid 60c.

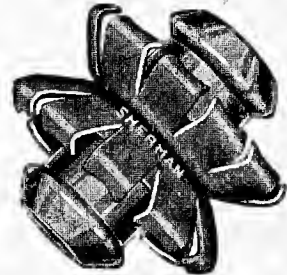
Twin Sprinklers. 35c each, 3 for \$1.00. Postpaid 40c each, 3 for \$1.10.



Sherman Couplings. 15c each, postpaid.



Brass Tube Hose Menders. 5c each postpaid.



Clincher Menders
Clincher Menders. 10c each, postpaid.



Hose Clamps
Hose Clamps. 5c each, postpaid.



Rose Sprinkler

Rose Sprinkler. 40c each, postpaid.
Wire Hose Holders. Worth their weight in gold when service is considered. 10c each, postpaid 15c each.

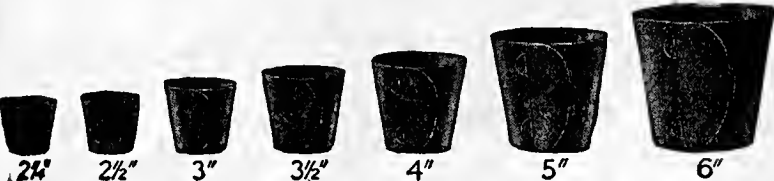


Extra Spray Heads

Extra Spray Heads. May be used singly, or in series. Each 60c; 3 for \$1.75, postpaid.

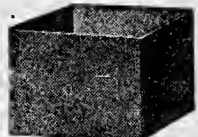
Miscellaneous Home and Farm Requisites

Birds ^{IMPROVED} NEPONSET Flower Pots



	(Case of)	Wt.	Per 12	100	1000
2 1/4 in.	1000	16 lbs.	\$0.15	\$0.60	\$ 4.75
3 in.	1000	28 lbs.	.20	.90	7.30
4 in.	500	26 lbs.	.30	1.50	11.00
5 in.	500	44 lbs.	.40	2.25	16.40
6 in.	500	62 lbs.	.50	3.00	21.70

These black NEPONSET POTS are made of tough, waterproof paper, eliminating breakage. It is possible to grow plants to maturity in these inexpensive pots. Popular alike for the amateur or professional gardener or grower. Do not confuse these with the cheaper RED NEPONSET pots, which are cheaper, but only suitable for temporary use, or for shipping.



	Doz.	100	1000
2 in.	\$0.10	\$0.35	\$2.50
3 in.	.15	.50	3.50
4 in.	.20	.65	4.75

ONE AND TWO-EYE PLANT STAKES. Good sturdy stakes that will last a life-time and do the job expected of them satisfactorily.

Single-Eye, 24 inch.....	Each 3c; 1 doz. for 35c; 100 for \$2.50
Single-Eye, 36 inch.....	3 for 10c; 1 doz. for 40c; 100 for 2.80
Single-Eye, 48 inch.....	Each 4c; 1 doz. for 45c; 100 for 3.75
Two-Eye, 24 inch.....	3 for 10c; 1 doz. for 40c; 100 for 2.80
Two-Eye, 36 inch.....	Each 4c; 1 doz. for 45c; 100 for 3.75
Two-Eye, 48 inch.....	Each 5c; 1 doz. for 50c; 100 for 4.00

If by mail, add 10c per doz.; 50c per 100

BAMBOO STAKES, pencil size or larger. Not Postpaid.

2 foot	12 for 10c; 25 for 20c; 50 for 30c; 100 for \$0.40
3 foot	12 for 15c; 25 for 25c; 50 for 40c; 100 for .70
4 foot	12 for 25c; 25 for 45c; 50 for 80c; 100 for 1.15
6 foot	12 for 30c; 25 for 50c; 50 for 90c; 100 for 1.50

GARDEN STAKES. Heavy 1 inch square wood, painted green. Not Postpaid.

3 foot.....	Each 8c; 1 doz. for \$0.85
4 foot.....	Each 10c; 1 doz. for 1.10
5 foot.....	Each 14c; 1 doz. for 1.50
6 foot.....	Each 16c; 1 doz. for 1.85

Books for Better Gardens

Inexpensive books that deal directly with the subject, or subjects, that most appeal to you. Prices quoted are **postpaid**.

Garden Guide. By many experts. A complete handbook for the amateur gardeners on flowers, fruits and vegetables and every other phase of gardening. 388 pages and over 275 teaching illustrations. **Paper \$1.10; cloth \$1.65.**

Rock Garden Primer. By Archie Thornton. Covering the subject from the ground up for the beginner. 152 pages, 4 color plates, 70 illustrations. Imitation leather, **\$2.15.**

The Book of Annuals. By Alfred C. Hottes. A reliable guide on the cultivation and use of these popular favorites. 182 pages, 155 illustrations, **\$1.65.**

The Book of Perennials. By Alfred C. Hottes. How to grow and enjoy the most durable of all the border plants. 280 pages, over 100 illustrations. **Cloth, \$1.65.**

1,001 Garden Questions Answered. By Alfred C. Hottes. In this book will be found a wealth of garden facts which hundreds of men have spent their lives in obtaining. 320 pages. **Paper, \$1.65; cloth \$2.15.**

Adventures In Dish Gardening. Patten Beard. The fascinating art of making gardens in dishes. Every angle explained through 69 full-page illustrations and text. 220 pages, imitation leather, **\$2.65.**

Practical Landscape Gardening. By Robert Cridland. For the owner of a modest home, telling how to plan and plant from a 20-foot plot up. 280 pages. **Cloth, \$2.65.**

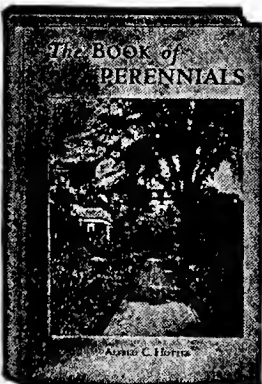
Water Gardens and Goldfish. By R. V. Sawyer and E. H. Perkins. Two closely related subjects presented under the one cover. 112 pages. **Cloth \$1.65.**

Milady's House Plants. By F. E. Palmer. For those seeking success with plants in the home. 176 pages. **Paper \$1.10; cloth \$1.35.**

Modern Dahlia Culture. By W. H. Waite. One book the Dahlia grower needs. 134 pages; six full page color plates, **\$1.65.**

Rose Garden Primer. By Eber Holmes. Tells the truth about rose growing at home for pleasure. 224 pages, **\$1.90.**

Practical Plant Propagation. By Alfred C. Hottes. An amateur's book on the art and science of increasing plants. **\$2.15.**



Incubators and Brooders

AT GREATLY REDUCED, CLOSING OUT PRICES.

QUEEN INCUBATORS "Best for the West"

		Regular Price	Sale Price
No. 21-K,	130 egg,	\$27.50	\$13.75
No. 22-K,	220 egg,	36.75	18.40
No. 1,	85 egg,	27.50	13.75
No. 2,	135 egg,	39.50	19.75
No. 4,	275 egg,	57.75	28.90
No. 5,	400 egg,	76.50	38.25



QUEEN OIL BURNING BROODERS

No. 70,	32 in.	300 chick	16.75	8.35
No. 71,	42 in.	600 chick	19.50	9.75
No. 72,	52 in.	1200 chick	21.00	10.50

QUEEN STOVE BROODERS

No. 1,	52 in.	800 chick	21.00	10.50
No. 2,	56 in.	1200 chick	26.00	13.00

DREW OIL BROODERS (Thermostatic Control)

32 in.	300 chick	15.15	9.35
42 in.	500 chick	17.10	10.75
52 in.	1000 chick	18.00	11.50

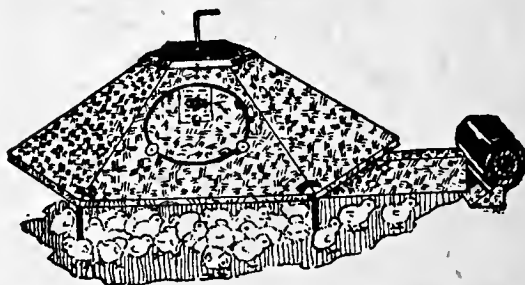
BUCKEYE INCUBATORS

No. 1,	110 egg	41.00	20.50
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MACOMB BROODER STOVES

42 in.	600 chick	18.00	12.00
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THE DREW "Thermo Regulated" OIL BROODER



MAKES HEALTHIER CHICKS

You can't go wrong in using one of these "Thermo-Regulated" Oil Brooders.

A valveless, automatically regulated oil brooder that will give you results in safely caring for your baby chicks. Made in three sizes and low priced.

Come in the next time you are in town. No obligation for a demonstration.

NOTICE

CALL OR WRITE FOR OUR "BARGAIN LIST" OF POULTRY EQUIPMENT, FOUNTAINS, FEEDERS, ETC.

We have a large supply of items that we are discontinuing because the demand was not sufficient to warrant our continuing their distribution. These are not out-of-date items, on the other hand they are in every case worth many times what we ask for them.

FUL-O-PEP

POULTRY FEEDS

ALL FEEDS ARE SOLD F.O.B. DENVER

Write for Prices Delivered to Your Station



Every poultry raiser remembers with dismay the terrible death losses of his young chicks in past seasons.

You can raise your chicks this year without these discouraging losses if you raise them on

FUL-O-PEP CHICK STARTER

After years of research science has discovered that Cod Liver Oil, when combined with other life and health-giving ingredients, greatly reduced leg weakness, with its consequent heavy death losses.

The Quaker Oats Company have combined this latest discovery of science



N-40 in Ful-O-Pep Chick Starter and extensive experiments have proved conclusively that it greatly reduces death losses. We now have this wonderful feed for our patrons. Let us supply YOU.

Manufactured by
The Quaker
Oats Company

FUL-O-PEP CHICK STARTER

		Per cwt. in large quantities		
		500 lbs.	1,000 lbs.	2,000 lbs.
100 lb. bags,	\$3.10	\$3.00	\$2.95	\$2.90
50 lb. bags,	1.60			
25 lb. bags,	.95			
8 1/2 lb. bags,	.40			

FULL-O-PEP GROWING MASH

100 lb. bags,	2.70	2.60	2.55	2.50
50 lb. bags,	1.40			
25 lb. bags,	.85			

FUL-O-PEP EGG MASH

100 lb. bags,	2.50	2.40	2.35	2.30
50 lb. bags,	1.30			
25 lb. bags,	.80			

Full-O-Pep Feeds are known to American Poultrymen as the best to be had, bar none. Any breeder who has used them knows this to be true. To those of our customers who have never fed Full-O-Pep Feeds we urge a careful test in competition with your favorite brand.

Feed Ful-O-Pep and Be Sat-is-fied



	25 lbs	50 lbs.	100 lbs.
Meat Scraps, Swift's Special.....	\$0.90	\$1.50	\$2.75
Blood Meal	1.00	1.90	3.50
Bone Meal .....	.80	1.40	2.50
Charcoal, any size, 5 lbs. 30c.....	.90	1.50	2.90
Grit, chick or hen size.....	.50	.80	1.35
Oyster Shell, chick or hen size.....	.50	.80	1.35

Water Fountains and Feeders

For Chicks and Chickens

O. K. Fountains

No. 400 O. K., \$4.90, postpaid \$5.10. This is an insulated fountain with drinking space all around the fountain. Keeps water warm in cold weather, or cool in warm weather. Excellent as a baby chick fountain by removing from the base and placing flat on the floor. Made of copperzide galvanized iron, which lasts much longer than the ordinary galvanized. Equipped with handy appliance to release the water instead of the old cork style. Made in two sections that come apart, making it easy to clean. Many poultry raisers tell us this is the finest waterer they have ever used.

No. 3 O. K., Super-Heated Fountain. 2½ gallon capacity, similar to the No. 400, except that it has a lamp in the base, guaranteeing warm water in the coldest weather. Price \$3.25, postpaid \$3.40.

No. 4 O. K. Same as above except holds 5 gallons. Price \$4.30, postpaid \$4.50.

No. 10 O. K. 10 gallons capacity. Price \$6.35, postpaid \$6.60.



No. 400 O. K.

Mason Jar Fountains

No. 142 Fits any standard jar, pint, quart, or 2-quart. Galvanized, each 10c; 1 doz. for \$1.00, postpaid. Same style in charcoal tin for buttermilk, each 10c; 1 doz. for \$1.00, postpaid.

No. 32, Star Shaped. Galvanized. Each 10c; 1 doz. for \$1.00, postpaid.

Bottom Fill Fountains

Made in two pieces, easy to clean.

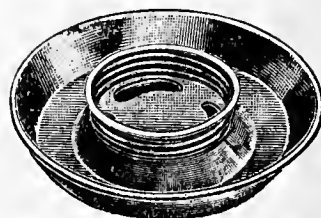
No. 19. 1 quart capacity. Each 25c; 1 doz. for \$2.50, postpaid.

No. 20. ½ gallon capacity. Each 35c; 1 doz. for \$4.00, postpaid.

No. 24. 1 gallon capacity. Each 50c; 1 doz. for \$5.50, postpaid.



Bottom Fill Fountain



No. 142 Mason Jar Fountain



Moe's Round Chick Feeder

Moe's Round Chick Feeder

Is in great demand. It keeps the feed pure and prevents waste. Top comes off but is so made that chicks or hens cannot remove it.

No. 11. 6 in. diameter, 8 feed holes. Each 12c; 1 doz. for \$1.20, postpaid.

No. 12. 8¼ in. diameter, 12 feed holes. Each 25c; 1 doz. for \$2.50 postpaid.

No. 131. For buttermilk, 8 holes. Each 20c; 1 doz. for \$2.25, postpaid.

No. 132. For buttermilk, 12 holes. Each 35c; 1 doz. for \$4.00, postpaid.



Moe's Eclipse Feeding Trough

Eclipse Feeding Troughs

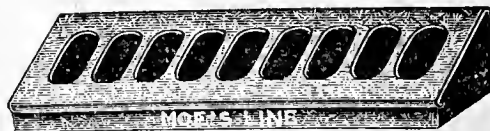
Nos. 137 and 138 Made of charcoal tin for feeding milk or buttermilk.

No. 27—10 in. long, 10 holes.....Each 25c
No. 28—20 in. long, 20 holes.....Each 30c
No. 137—10 in. long, 10 holes.....Each 30c
No. 138—20 in. long, 20 holes.....Each 40c

6 for \$1.25 1 doz. for \$2.40
 6 for 1.65 1 doz. for 3.00
 6 for 1.60 1 doz. for 3.00
 6 for 2.00 1 doz. for 4.00



Double Chick Feeder

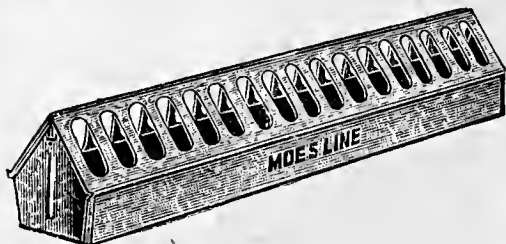


Single Chick Feeder

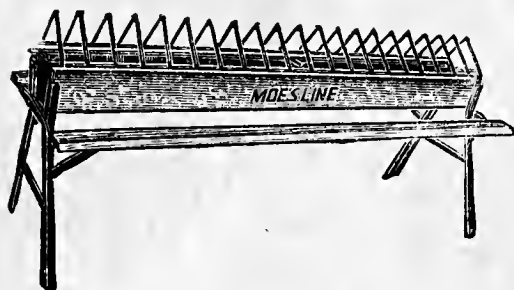
No sharp or rough edges. Well made of galvanized steel. Sliding top, easy to fill and clean. Just what you want. Prices quoted are postpaid.

No. 55—Single, length 12 in., 9 holes....Each 25c Doz. \$2.50
No. 56—Single, length 18 in., 13 holes....Each 35c Doz. 3.50
No. 57—Single, length 24 in., 18 holes....Each 40c Doz. 4.00
No. 58—Double, length 12 in., 18 holes....Each 30c Doz. 3.00
No. 59—Double, length 18 in., 26 holes....Each 40c Doz. 4.00
No. 60—Double, length 24 in., 36 holes....Each 50c Doz. 5.00
No. 76—Double, length 36 in., 54 holes....Each 70c Doz. 7.00

FOUNTAINS AND FEEDERS—Continued



Moe's Intermediate Feeder



Moe's Five-Foot Feeder

A New Five-Foot Feeder
with Removable Trough

Moe's Intermediate Feeder

Length of feeder 32 in., width 8 in., depth of pan $3\frac{1}{2}$ in., total height 7 in. Capacity 12 quarts of feed. Has a total of 34 feeder holes, 17 on each side.

No. 154. Galvanized Intermediate Feeder. **Each \$1.40; dozen \$14.00, postpaid.**

No. 155. Bright Tin Plate Feeder and Waterer. **Each \$1.90, postpaid.** For milk or buttermilk.

Moe's Five-Foot Feeder

The trough is made of extra heavy galvanized steel and holds 32 quarts of feed. It is five feet long, 8 in. wide and 5 in. deep. Has wide turned-in flanges on each side to prevent waste of feed.

The wire guards are of heavy No. 7 hard galvanized wire, correctly spaced, and electrically welded. Hinged in one unit, so the entire guard can be thrown back for filling and cleaning.

Removable Trough. The trough rests securely on the stand, but is not bolted down and can be easily lifted off to dump and clean it, which is a highly desirable feature.

The stand has strong angle iron legs, well braced, complete with stout wooden perches.

Total height of stand 27 in. Height of perches 17 in.

No. 355. Complete with stand and wire guards. **Each, prepaid, \$5.75.**

No. 356. Trough only, with wire guards (no stand). **Each, prepaid, \$3.75.**

Gem Chick Fountains



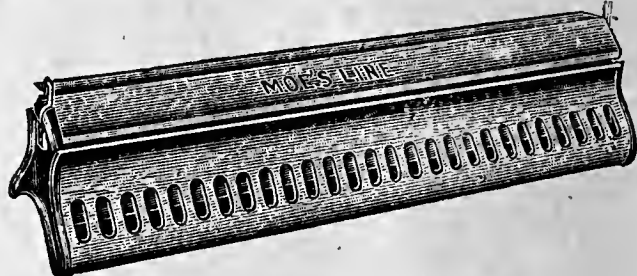
**Gem
Chick
Fountain**

A good, inexpensive fountain for chicks or grown fowl. Made of galvanized steel. Easy to fill and clean. The fluted pan is shaped to care for up to 18 chicks at a time without crowding or danger of getting the chicks wet. Diameter of pan, 10 in. Has a substantial top handle for carrying. In two sizes.

No. 158. 1 gallon capacity. **Each 65c; doz. \$6.50, postpaid.**

No. 159. 2 gallon capacity. **Each 90c; doz. \$9.00, postpaid.**

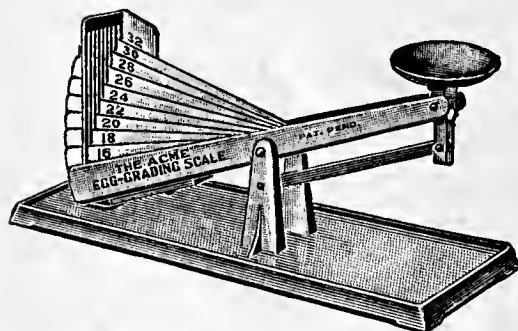
Tilting Top Large Capacity Feeder



No. 141-T. This Feeder has a tilting or swinging top so that chickens cannot perch on it. A fine feeder for large or small flocks. Capacity 17 quarts. Length 35 in., width $8\frac{1}{2}$ in., height 9 in. Has 27 feeder openings on each side or a total of 54 feeder holes. **Each \$1.95; per doz. \$19.50; postpaid \$23.40.**

No. 140. 32 holes. **Each \$1.10, postpaid.**

Miscellaneous Poultry Requisites



Acme Egg Grading Scale

Grade Your Eggs and Get the Top Price

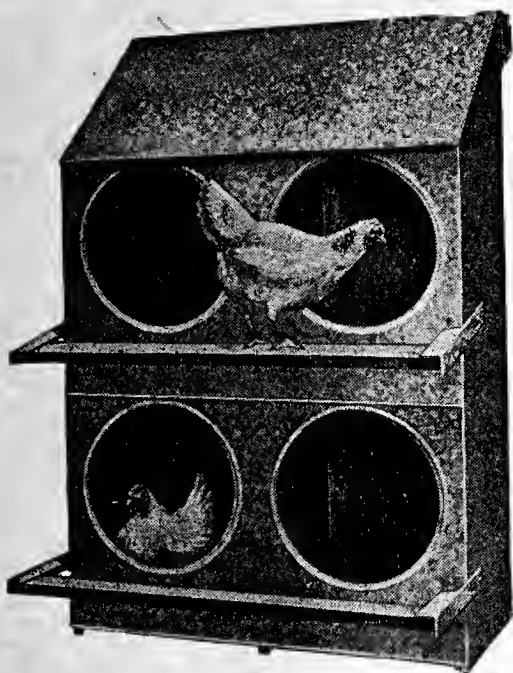
This ACME EGG SCALE is used by more than 100 State Institutions. Made in 2 styles.

No. 1 grades 16-18-20-22-24-26-28-30-32 oz. **\$2.50, postpaid.**

No. 2 grades 18-19-20-21-22-23-24-25-26 oz. **\$2.50, postpaid.**

Poultry Associations urge the grading of all eggs and many States have enacted laws requiring it. Poultrymen's profits will be increased when the custom is universal.

Poultry House Equipment



The one perfectly ventilated trap nest
Standard Trap Nest. 4-hole section \$6.00; 2 sections (8 holes) \$10.00; 3 sections (12 holes) \$12.50. Traps 40c each.



Caponizing Instruments

Pilling's "Philadelphia" \$2.50; "Farmer" \$3.00; "Special" \$4.00; "Jersey" \$4.50; "Farmer Miles" \$5.00; "Twining" \$4.00; "Lansdowne No. 1" \$4.00; "Lansdowne No. 2" \$3.50. We recommend the "Lansdowne No. 1." All postpaid.



CEL-O-GLASS Poultry Houses
are Health Houses

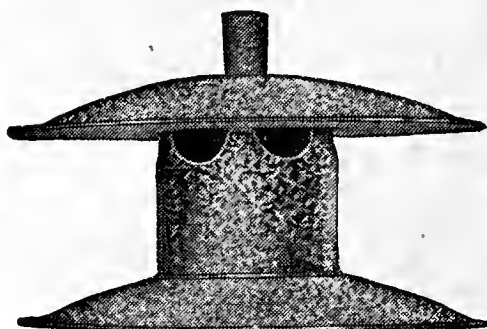
CEL-O-GLASS. Genuine Cel-O-Glass, made by Acetol Products Co., is the strongest and best made of the screen-wire base products. Since May, 1930, a new process has been used, resulting in a longer life article. Prices quoted below are postpaid.
36 inches wide, per running yard.....\$ 1.20
25-foot roll (8½ sq. yards.).....\$ 9.50
50-foot roll (16½ sq. yds.)..... 18.00
100-foot roll (33½ sq. yds.) 34.50



Humpty-Dumpty Egg Crate

Light slat construction, yet perfectly safe for shipping eggs to market.

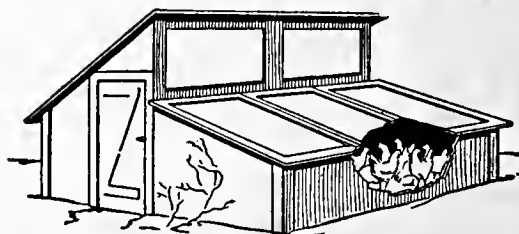
6 dozen size.....	\$0.70;	postpaid....	\$0.80
9 dozen size.....	.75;	postpaid....	.85
12 dozen size.....	.80;	postpaid....	.95
15 dozen size.....	.85;	postpaid....	1.00



The Putnam Brooder Heater

The Putnam Brooder Heater makes an excellent heater for small brooders. Ample for lots of 30 or 40 chicks. It requires tending and refilling only once a week and can be depended upon to furnish a regular supply of heat. Price complete, with instructions for making a home-made brooder \$4.75 postpaid. Extra wicks 5c each, 40c dozen.

The Little Putnam Stove is nine inches in diameter and four inches high and BURNS THREE TO FOUR WEEKS WITHOUT REFILLING OR OTHER ATTENTION. Excellent as a fountain heater in cold weather. Price complete \$2.00 postpaid. Extra wicks 25c dozen.

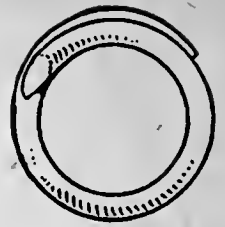


Full 36 inches wide

NEW VIO-RAY GLASS CLOTH. Each year sees improvements in the manufacture of these products. The New Vio-Ray Glass Cloth will wear longer because it is more moisture-proof than other cloth materials. Price:

Per square yard.....	\$ 0.24,	postpaid
25 yards for.....	5.50,	postpaid
50 yards for.....	10.50,	postpaid
100 yards for.....	20.00,	postpaid

Leg Bands for Poultry, Pigeons, Turkeys



Colored Spirol Leg Bands. All Postpaid

Made of celluloid in the following non-fading colors: White, Black, Red, Garnet, Pink, Green, Dark Blue, Light Blue, Purple and Yellow. Please be sure to order by number, otherwise we may send the wrong size. Prices quoted are postpaid.

Spirol Leg Band

POSTPAID PRICES FOR SPIROL LEG BANDS

	12	50	100	1000
No. 96—Baby chick size.....	\$0.10	\$0.20	\$0.35	\$2.40
No. 95—Pigeon size .....	.10	.20	.35	2.50
No. 94—Bantam size.....	.15	.25	.45	3.50
No. 93—Leghorn size.....	.15	.30	.50	4.00
No. 92—Red or Rock size.....	.15	.35	.60	5.00
No. 91—Orpington size.....	.20	.40	.70	6.00
No. 398—Turkey size .....	.25	.60	1.10	9.50

Colored Lockfast Bands

Similar to the No. 130 Aluminum, except that the whole band is colored. We have them in three colors: Blue, Green and Red. Numbered 1 to 100. Please order in lots of 50 or 100. Prices are postpaid.

50 for....	\$0.50	500 for....	\$4.00
100 for....	.90	1,000 for....	7.00

"Reliable" Numbered Bands

Wider and heavier than No. 130, with colored numbers. We have them in Blue, Green and Red. Please order in lots of 25, 50 or 100. Prices are postpaid.—

25 for....	\$0.50	500 for....	\$ 8.00
50 for....	.95	1,000 for....	15.00
100 for....	1.80		

"Bandettes"

A Spirol celluloid band about 3/8-in. wide. The band is a bright red with a prominent black number. Packed 25 in a box.

25 for....	\$0.50	500 for....	\$ 7.00
50 for....	.95	1,000 for....	13.00
100 for....	1.75		

"Victor" Numbered Bands

Very wide with extra prominent colored number. Intended for marking exhibition birds or for trapnesting.

25 for....	\$0.90	500 for....	\$15.00
50 for....	1.75	1,000 for....	25.00
100 for....	3.40		

No. 130 Aluminum Leg Bands



No. 130 Aluminum Leg Band

The best numbered leg band for ordinary marking. Large, raised numbers that are easy to read. Adjustable for any size fowl. Packed in cartons of 12, 25, 50 and 100 bands each. Numbered 1 to 12, 1 to 25, 1 to 50, 1 to 100, 101 to 200, etc., up to 9,999, which is the largest number made. Prices are postpaid.

No. 130 Aluminum. Numbered, Adjustable Leg Bands.

12 for....	\$0.15	100 for....	\$0.65
25 for....	.25	500 for....	3.00
50 for....	.40	1,000 for....	5.50

Thermometers

ALL POSTPAID

"Tycos" Incubator Thermometer No. 5776. Used with or without stand. Price, complete with stand, 75c, postpaid.

"Tycos" Certified Incubator Thermometer No. 5783. Similar to No. 5776, but certified and guaranteed absolutely accurate. Price, complete with stand \$1.15, postpaid.

"Tycos" Brooder Thermometer No. 5792-S. Price 75c, postpaid.

"Tycos" Brooder Thermometer No. 5794-S. Red liquid, easy to read. Price 60c, postpaid.

"Tycos" Household Thermometer No. 5140-S. Suitable to hang in poultry house, or for outside use. Price 50c, postpaid.

"Tycos" Hygrometer No. 5796. No incubator should be run without a HYGROMETER, as it is necessary to have just the correct amount of moisture throughout the hatch. Full instructions with each hygrometer. Packed one in a box, complete for \$1.65, postpaid. Extra wicks, each 15c, postpaid.



**No. 5792
Brooder
Thermometer**

Tycos Incubator Thermometer



When used with Stand



When used without Stand

**No. 5783
Certified**

Cod Liver Oil Nopco XX



THE NEW NOPCO XX "3-TON" SEALED CAN. Called "3-Ton" because this one gallon can is enough for 3 tons of egg mash. Puts more "PEP" in poultry and gets the eggs. For ranch mixing in wet mashers or feeding on grains, etc. Does not spoil or lose its feeding value in the can, not affected by heat or cold. **1 gal. can, enough for 3 tons of feed, \$3.50. Not prepaid. Weight 8 lbs.**

BARNES EMULSION—For Worms In Poultry

Pint size, enough for 12 fowls.....\$ 0.60
 Quart size, enough for 25 fowls..... 1.00
 Gallon size, enough for 100 fowls..... 3.00
 5-gallon kegs, enough for 500 fowls..... 12.50

The non-shock worm remedy. Acts as a tonic, but gets the worms.

E. BARNES EMULSION



YEAST FOAM (ANIMAL-POULTRY). Yeast not only contains the VITAMINE that promotes growth, but it makes other foods digestible that would be partially wasted were yeast not present. **FREE** booklets describing its use and benefits.

NORTHWESTERN ANIMAL - POULTRY YEAST FOAM. 4 lb. box \$1.00; 25 lb. box \$6.00; 100 lb. drum \$23.00. All prepaid.

TRENGOVE'S NON-PIKK.

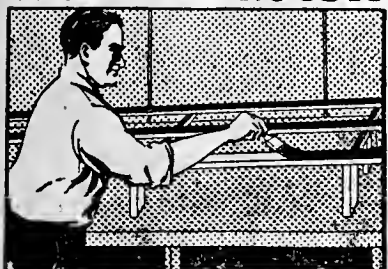
¼ lb. (500 chick) 50c; ½ lb. (1,000 chick) 75c; 1 lb. (2,000 chick) \$1.00. All prepaid.

At the first sign of toe-picking, etc., apply a small amount of NON-PIKK on the wings and tails of several birds in each pen. Not necessary to confine treatment to picked birds, but acts as a healer and prevents further picking.

Trengove's
 REG. U.S. PAT. OFF.
NON-PIKK

FOR CANNIBALISM
 (Toe & Rump Picking, Feather Pulling)

'PAINT' THE ROOSTS



WITH "BLACK LEAF 40"

BEST CONTROL FOR POULTRY LICE Black Leaf 40 Works While They Roost

It has been demonstrated that "Black Leaf 40," undiluted, painted on the top side of the roost will control body lice. This saves the labor of handling each bird, either to dust, dip or grease. "Black Leaf 40" does not harm the birds nor retard egg production. We regard this discovery as one of the greatest aids to poultry raising in the last generation. One ounce of "Black Leaf 40" will paint from 12 to 15 feet of roosts. One pound will paint 190 to 240 feet.

Prices—One ounce bottle 35c; five ounce bottle \$1.00; 1 pound bottle \$2.10; 2 pound tin \$3.10; 5 pound tin \$5.55; 10 pound tin \$10.15. Black Leaf 40 being a nicotine poison, cannot be sent through the mails.

NEMA WORM CAPSULES, PARKE DAVIS & CO.

No. 188, for baby chicks and turkeys three weeks old or older. **Box of 12 for 25c; box of 50 for 60c.**

No. 187, for chickens and turkeys, adult fowls up to 6 pounds. **Box of 12 for 35c; box of 50 for \$1.00.**

Ask for free booklet on NEMA CAPSULES for poultry, dogs, hogs, etc.

FLEMING'S EGG PRESERVER. An egg paste, quickly applied with the hands, that will keep a fresh egg fresh for from six to ten months. 2-oz. can, sufficient for 60 to 90 doz. eggs, **50c**; 4-oz. can, **75c. Postpaid.**

WATER GLASS. One quart will put down 25 doz. eggs. Pint cans, **25c**; Quart cans, **40c**; Half gallon cans, **70c. Postpaid.**



Burrell-Dugger Poultry Preparations

THESE PRICES ARE POSTPAID



DON SUNG TONIC FOR LAYING HENS

Don Sung is a concentrated medicine — no bulk or filler—ready to add to the mash-feed. It has a direct tonic action and doesn't force or hurt the hen in any way. It does its wonderful work by putting the hen in good health, and helping maintain that health.

Prices: Small guaranteed size, 50c; large size (3 times 50c size), \$1.00; special size (6 times \$1.00 size), \$5.00.

GROUP-OVER —

For roup, colds and canker. At the first symptom of a cold in your flock, start giving it to every affected bird. Group-Over clears the air passages and brings relief with magic quickness.

Prices: 50c, \$1.00, \$6.00, \$10.00.

For Chick Diarrhea

Loss of baby chicks can be stopped—easily, quickly and at almost no expense by using Avicol in the drinking water. It is a special bowel astringent, and helps the chick withstand infection. **Prices:** 50c, \$1.00 and \$5.00.



Lee's Poultry Preparations

THESE PRICES ARE POSTPAID

Lee's Germozone. 4 oz. bottle 40c; 12 oz. bottle 75c; 32 oz. bottle \$1.50; half gallon bottle \$2.50; gallon bottle \$4.50.

Lee's Gizzard Capsules. Adult size. 50 caps. \$1.00; 100 caps. \$1.75; 250 caps. \$4.00; 500 caps. \$7.00; 1,000 caps. \$12.00.

Lee's Gizzard Capsules. Chick size. 50 caps. 50c; 100 caps. 90c; 250 caps. \$2.00; 500 caps. \$3.50; 1,000 caps. \$6.00.

Lee's Leemulsion. 12 oz. bottle \$1.00; 32 oz. bottle \$2.00; half gallon bottle \$3.50; gallon bottle \$6.50.

Lee's Pinjectol. For pin worms. Especially recommended for TURKEYS. 12 oz. bottle \$1.00; 32 oz. bottle, \$2.50; ½ gal. bottle, \$4.50; 1 gal. bottle, \$8.00.

Lee's Dosing Syringes. Each 25c.

Lee's Nasal Syringes. Each 75c.

Lee's Vapo-Spray. 32 oz. can 75c; half gallon can \$1.25; gallon can \$2.00; 5 gallon can \$8.75.

Lee's Liquid Lice Killer. Quart can 60c; half gallon can 90c; gallon can \$1.50.

Lee's Louse powder. 1 lb. can 25c; 2½ lb. can 50c.

Lee's Egg Maker. 2 lb. carton 40c; 5 lb. carton 90c; 12 lb. pail \$2.00; 25 lb. pail \$3.75.

Pratts

POULTRY PREPARATIONS

These Prices Are Postpaid

Pratt's Poultry Regulator. 26 oz. pkg. 30c; 4 lb. pkg. 60c; 12 lb. pkg. \$1.75; 25 lb. bag \$3.00; 100 lb. bag \$10.50.

Pratt's Powdered Lice Killer. 1 lb. pkg. 30c; 2½ lb. pkg. 60c.

Pratt's Poultry Worm Powder. 2 lb. pkg. 60c; 4½ lb. pkg. \$1.20; 12 lb. bag \$2.20; 25 lb. bag \$3.85.

Pratt's R-P Powder (formerly called Roup Powder). Three sizes, 30c, 60c, and \$1.20.

Pratt's R-P Tablets (formerly called Roup Tablets). Three sizes, 30c, 60c, and \$1.20.

Pratt's Chick Tablets. (formerly called Chick Diarrhoea Tablets). 30c and 60c.

Pratt's Dip and Disinfectant. Pint cans 45c; quart cans 70c; half gallon cans \$1.20; gallon cans \$2.15.

Pratt's Sore Head & Chicken Pox Preparation. Two sizes, 35c and 70c.

Pratt's Special Compound (for diarrhoea). Two sizes, 30c and 60c.

Pratt's Roost Paint. ½ pint cans, 75c; pint cans, \$1.25; quart cans, \$2.00; 1 gallon cans, \$6.00.

Pratt's N-K (Nicotine-Kamala) Capsules.

	For Adult Fowls	For Chicks
50 for.....	\$ 1.00	\$0.65
100 for.....	1.75	1.00
500 for.....	7.00	4.50
1,000 for.....	12.00	8.00

DR. HESS & CLARK'S POULTRY AND STOCK PREPARATIONS

ALL PREPAID

Dr. Hess Poultry Pan-A-Min (formerly called Pan-A-Cea).

3 lb. package.....	\$ 0.65, postpaid
7 lb. package.....	1.25, postpaid
15 lb. package.....	2.25, postpaid
25 lb. package.....	3.50, postpaid
100 lb. drum.....	12.00, prepaid

Dr. Hess Poultry Ver-Mi-Trol (formerly called Worm Powder). When mixed with the feed will control worms in poultry.

4 lb. package.....	\$ 1.50, postpaid
10 lb. package.....	3.25, postpaid
25 lb. package.....	7.50, postpaid

Dr. Hess Instant Louse Killer

1 lb. package.....	\$ 0.30, postpaid
2½ lb. package.....	.60, postpaid

Dr. Hess Poultry Tablets (formerly called Roup Tablets).

Medium size package....	\$ 0.50, postpaid
Large size package.....	1.00, postpaid

Dr. Hess Chick Tablets (formerly called Diarrhoea Tablets).

Medium size package....	\$ 0.50, postpaid
Large size package.....	1.00, postpaid

Dr. Hess Dip and Disinfectant. Forms a milky white solution when mixed with water. Rated equal to any and better than most.

12 oz. bottle.....	\$ 0.50, postpaid
Quart cans .....	.75, postpaid
Half gallon cans.....	1.25, postpaid
Gallon cans	2.25, postpaid
5 gallon cans.....	8.75, prepaid
30 gallon barrels.....	39.00, prepaid
50 gallon barrels.....	59.00, prepaid

Dr. Hess Hog Special. Widely used and universally liked.

15 lb. package.....	\$ 2.25, postpaid
25 lb. package.....	3.50, postpaid
100 lb. drum.....	12.00, prepaid

Dr. Hess Improved Stock Tonic. An excellent tonic for all stock, especially recommended for milk cows.

5 lb. package.....	\$ 0.85, postpaid
15 lb. package.....	2.25, postpaid
25 lb. package.....	3.50, postpaid
100 lb. drum.....	12.00, prepaid

Dr. Hess Fly Spray. We have sold many kinds, but like this one the best.

Gallon cans	\$ 2.25 postpaid
5 gallon cans.....	9.75, prepaid
30 gallon drum.....	39.00, prepaid
50 gallon drum.....	62.50, prepaid

Dr. Hess Antiseptic Powder (formerly called Healing Powder).

4 oz. package.....	\$0.25, postpaid
10 oz. package.....	.50, postpaid

Dr. Hess Udder Ointment, 50c postpaid. An article of unusual merit.

HESS & CLARK PRODUCTS are standard the country over. Use them regularly and save money by keeping your poultry and stock in the best of health.

Carbola Stays Put

A disinfecting white paint in powder form. Can be sprayed on like whitewash, or applied with brush.

5 lb. pkg. (makes 5 gallons) 75c, postpaid 90c; 10 lb. pkg. \$1.25; postpaid \$1.45; 25 lb. bag \$3.00, postpaid \$3.40; 50 lb. bag \$5.00, postpaid \$5.60.



In our opinion the most wonderful disinfectant ever placed on the market. It is non-poisonous, non-obnoxious to poultry and animals, harmless to fur and skin, a sterilizer and deodorant. We know of nothing that will take its place. Descriptive folders free on request. Prices are postpaid.

B-K Disinfectant, 10 oz. bottles.....	\$ 0.50
B-K Disinfectant, quart bottles.....	.90
B-K Disinfectant, gallon bottles.....	2.00
B-K Disinfectant, 5 gallon bottles.....	8.50

Kow-Kare

The universal remedy for milk fever, scouring, and lost appetite. Recommended for prevention of abortion, retained after-birth, etc. 65c and \$1.25 sizes; prepaid.

Epsom Salts

3 lbs. 25c; 20 lbs. \$1.00; 100 lbs. \$4.25; not prepaid.

Better Dusting Powders

Par-I-Nox, the quickest acting powder obtainable. 1½ lb. pkg. 25c postpaid; 3 lb. pkg. 50c postpaid.

Sodium Fluoride, recommended by many state experiment stations. ½ lb. 20c; 1 lb. 35c; 2 lbs. 65c; 5 lbs. \$1.50; 10 lbs. \$2.75. Cannot be mailed.

Grange Garget Remedy

A dairy association produce. 65c postpaid.

Bag Balm

Used for years by Western dairymen. 60c each prepaid.

Disinfectant and Spray Material

Creosote. Quart 35c; half gallon 55c; 1 gallon 75c; 5 gallon can \$3.00; not prepaid.

Tarolfectant. Disinfectant and lice spray with creosote and oil base. 1 gallon \$1.50; 5 gallons \$6.25; not prepaid.

Miscellaneous Requisites



Silvertip Chicken Coop Disinfectant

Contains over 5 per cent Phenols by volume. An ideal product to use as a spray or paint on the interior of poultry or hog houses to rid them of lice, mites, ticks, blue bugs, etc. Pint cans, 35c; quart cans, 50c; gallon cans, 85c. Cannot be mailed.

Egg Cartons

Serviceable Grade. 3x4. Doz. 15c; 2 doz. 25c; 50 for 50c; 100 for \$1.00; bundle of 125 for \$1.10; 250 for \$2.00; 500 for \$3.75; 1000 for \$7.00.

Knox Out Livestock Fly Spray

An article that will win your repeat orders because of its honest merit together with a price lower than others. Quart can 60c; gallon can \$1.50; 5 gallon can \$6.75; 30 gallon drum \$35.00; 50 gallon drum \$55.00; prepaid.



Lamp Wicks

POSTPAID

No. 208, $\frac{5}{8}$ inches wide.....3 for 5c; 15c doz.
No. 209, $\frac{7}{8}$ inches wide.....2 for 5c; 25c doz.
No. 210, $1\frac{1}{2}$ inches wide.....5c each; 40c doz.

White Cotton

Red Felt

2 for 5c; 25c doz.
5c each; 45c doz.
5c each; 55c doz.

Rabbit Supplies and Remedies

Pottery Feed Dishes with flange tops. Pint size 15c each; doz. for \$1.75; quart size 18c each; doz. for \$2.00.

Pottery Drinking Dishes. Round bottom, will not tip over or split with frost. Pint size 12c each; doz. for \$1.40; quart size 15c each; doz. for \$1.75; half gallon size 18c each; doz. for \$2.00. Not prepaid.

Salt-Sulphur Spools. 5c each; 12 for 40c; postpaid 50c; 100 for \$2.50; postpaid for \$2.75; case of 250 for \$5.25, postpaid \$5.75.
Amerco Rabbit Feed. 5 lbs. 25c; 10 lbs. 45c; 25 lbs. 80c; 50 lbs. \$1.45; 100 lbs. \$2.75; not postpaid.

Pedigree Blanks. Book of 100 for \$1.00; 25 for 35c; 1 doz. for 20c; postpaid.

Barnes Rabbit Remedies. We find these wonderfully satisfactory to breeders.

Barnes Anti-Diarrhoea. Small size 50c; large size \$1.00, postpaid.

Barnes Anti-Snuffle. Small size 50c; large size \$1.00, postpaid.

Barnes Anti-Slobber. Small size 50c; large size \$1.00, postpaid.

Breeding Cards. 20c doz.; 100 for \$1.00, postpaid.

Rabbit Disease Books. Each 25c, postpaid.

Rabbit Ear Markers. Complete outfit. \$1.00, postpaid.

Feed Racks. Hold hay and ground feed. 90c each, postpaid.



Feed Dish—Drinking Dish

Pigeon Supplies

Amerco Pigeon Feed. 5 lbs. 25c; 10 lbs. 45c; 25 lbs. 85c; 50 lbs. \$1.50; 100 lbs. \$2.50; not postpaid. Pigeon grit, 12 lbs. 25c; 30 lbs. 50c; 100 lbs. \$1.35; not postpaid.

Grit and Shell Box. 2 compartments. 45c each, postpaid.

Moe's Pigeon Feeder No. 105. 3 quart capacity. \$1.00 each, postpaid.

Moe's Pigeon Feeder No. 106. 6 quart capacity. \$1.80 each, postpaid.

Pigeon Nests. Galvanized steel. 15c each; 1 doz. for \$1.50, postpaid.

Leg Bands. Aluminum, numbered. 20c doz.; 100 for \$1.20, postpaid.

Pigeon Peas. 5 to 25 lbs., 8c lb.; 50 lbs. \$3.25; 100 lbs. \$5.75.

Pigeon Health Grit. 5 lbs. 25c; 12 lbs. 50c; 28 lbs. \$1.00; 100 lbs. \$2.25, not postpaid.

Food for Dogs, Cats, Foxes, Mink, Etc.

The Most Complete Line In the Rocky Mountain District

Introducing "Brownie" Simpson

He is just "dog," 'tis true, but what a dog! Full of life, pep, and love. He rushes out to meet me every evening when I get home, and what a time we have then. He jumps and barks and wiggles almost out of his skin, and then goes after his rubber bone. From one end of the house to the other, at 40 miles an hour, he charges back and forth until he is exhausted, then comes up to be petted. It's a welcome I look forward to every day in the year.

The whole neighborhood knows, and loves, Brownie. Friends ask us what we do to keep him looking so slick and so full of life. The answer, of course, is proper feeding. Many hold the mistaken idea that dogs require a heavy meat diet. The truth is that dogs relish and require about the same ratio of meat to cereals and vegetables as man, about 1 to 4. Brownie's ration is equal parts by weight of "BROWNIE'S KIBBLED BISCUIT" and canned dog food, usually "Pard." He gets one feeding a day, in the evening, about ½ ounce to each pound of his weight. When he was small we fed him four times a day, ¼ ounce to the pound of his weight, at each meal, at three months we cut feedings to three times a day, and at five months to twice a day. After maturity, about eight months, once a day.



Brownie

BROWNIE'S KIBBLED DOG FOOD. a meat extract and cereal preparation, with minerals and vegetables. 1 lb. 10c; 3 lbs. 25c; 5 lbs. 40c; 10 lbs. 75c; 25 lbs. \$1.80; 50 lbs. \$3.25; 100 lbs., \$6.00. Not prepaid.

AUSTIN'S

	1 lb.	5 lbs.	10 lbs.	25 lbs.	50 lbs.	100 lbs.
Dog size	\$0.15	\$0.65	\$1.20	\$2.70	\$4.90	\$ 9.60
Puppy size .....	.15	.65	1.20	2.90	5.65	10.95

CHAMPION

Dog size .....	.15	.65	1.20	2.90	5.00	9.70
Puppy size .....	.15	.65	1.25	2.90	5.15	10.10
Kibbled .....	.15	.65	1.25	2.90	5.15	10.10
Puppy Meal .....	.15	.65	1.25	3.00	5.15	10.10
Mink Food .....	.25	1.00	1.65	3.25	6.25	12.25

CHAPPEL BROS.

Ken-L-Biscuit15	.65	1.20	2.60	4.80	9.30
Kib-L-Biscuit15	.65	1.20	2.60	4.80	9.30

MILLER'S

Kibbled15	.60	1.20	2.60	4.75	9.20
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PURINA

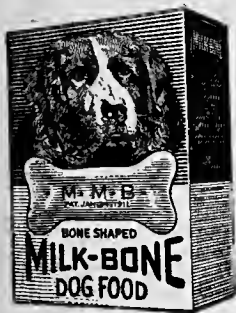
Kibbled10	.45	.90	2.00	3.80	7.30
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SPRATT'S

Fibo20	.85	1.50	3.50	6.50	12.75
Ovals20	.75	1.40	3.25	6.25	11.45
Terrier Meal15	.65	1.20	2.90	5.70	10.80

SPRATT'S PACKAGE FOODS

	Each	Postpaid
Fibo (granulated), cartons, a little over 2 lbs.....	45c	55c
Ovals (small, round), cartons, about 2 lbs.....	40c	50c
Dog Cakes, about 2 lbs.....	40c	50c
Puppy Cakes, about 2 lbs.....	45c	55c



BENNETT'S BONE SHAPED BISCUITS

Bennett's Dog Biscuit, 12 oz. carton.....	18c	Postpaid....28c
Bennett's Dog Biscuit, 31 oz. carton.....	40c	Postpaid....50c
Bennett's Puppy Biscuit, 10 oz. carton.....	18c	Postpaid....28c
Bennett's Puppy Biscuit, 28 oz. carton.....	40c	Postpaid....50c
Bennett's Junior Biscuit, 22 oz. carton.....	40c	Postpaid....50c

This Bennett's biscuit is particularly fine for toy breeds inclined to be shy feeders and with notional appetites.

MORSE'S MORSELS

A wonderfully appetizing food that will surely tempt your dog's appetite. 2 lb. carton 40c, postpaid 50c.

Dog Foods in Cans

CALO.—1-lb. Cans

	Per can	Doz. cans	2 Doz. cans	No. in case	Case Price
Dog Food	\$0.11	\$1.30	\$2.50	48	\$4.75
Puppy Food11	1.30	2.50	48	4.75

CHAPPEL BROS.—1-lb. Cans

Ken-L-Ration ..	.15	1.50	2.95	48	5.75
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COLO. ANIMAL FOOD CO.

Golden, 1 lb.13	1.50	2.75	36	3.75
Golden, 10 oz. ..	.10	1.00	2.00	48	3.75

PARD. SWIFT & CO.

(Beef Ration, not horse meat).

Pard Dog Food ..	.10	1.20	2.35	48	4.65
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KIPPY DOG FOOD CO.

Kippy, 1 lb.13	1.50	2.75	24	2.75
Kippy, 10 oz.10	1.00	2.00	48	3.75

MILLER'S—1-lb. Cans

Quick Lunch ..	.13	1.40	2.75	48	4.95
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SIMPSON PRODUCTS CO.—1-lb. Cans

Doggie Dinner..	.13	1.30	2.55	36	3.75
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VITAMONT CO.—1-lb. Cans

Vitamont13	1.50	2.75	48	4.95
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Supplementary Foods in Bulk For Dogs and Foxes

These foods are particularly valuable to kennels feeding a number of dogs. Their use will save in feeding expense and aid in obtaining a properly balanced ration.

Edible Bone Meal

A very necessary part of the ration of growing animals. Our supply is pure, clean, and especially prepared for dogs and foxes. **Raw Feeding Bone Meal.** 1 lb. 10c; 10 lbs. 60c; 25 lbs. \$1.00; 50 lbs. \$1.90; 100 lbs. \$3.50. Not prepaid.

Odorless Meat Meal

A favorite with many kennels. Rich in body building elements, and properly balanced for dogs and foxes. 10 lbs. 75c; 25 lbs. \$1.10; 50 lbs. \$2.00; 100 lbs. 3.75. not prepaid.

Golden Kibbled Dog Food

A crispy, tasty food that is appetizing, and balanced as to cereals, meats, minerals, etc. One of the best on the market. Made in Colorado. 5 lb. bag 50c, postpaid 65c; 25 lb. bag \$1.85, postpaid \$2.15; 50 lb. bag \$3.25, postpaid \$3.80; 100 lb. bag \$6.00.

Miller's Cereal and Meat Food

Miller's A-1 Ration. A meat and cereal food long a favorite in the east. Recently introduced in Denver by us. 5 lbs. 45c, postpaid 60c; 10 lbs. 85c, postpaid \$1.05; 25 lbs. \$1.85, postpaid \$2.15; 50 lbs. \$3.50, postpaid \$4.10; 100 lbs. \$6.30.

Perfection Dog Food

We brought Perfection to Denver a number of years ago and its host of friends continue to order best time after time. You will find it the best of the meat and cereal foods. 5 lbs. 60c, postpaid 75c; 10 lbs. \$1.00, postpaid \$1.20; 25 lbs. \$2.25, postpaid \$2.60; 50 lbs. \$3.50, postpaid \$4.10; 100 lbs. \$6.80.

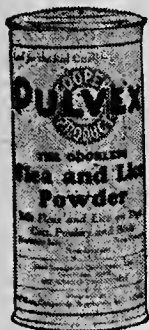
Vital Food

This is a fine ground meat, mineral and vegetable food given moistened with milk or water, or mixed with other foods. It is well known to Denver breeders and makes friends wherever used. 2 lb. carton 25c, postpaid 35c; 10 lb. bag 90c, postpaid \$1.10; 25 lbs. \$2.00, postpaid \$2.35; 100 lbs. \$6.00; 500 lb. lots \$5.75 cwt.; 1000 lb. lots, \$6.00 cwt.; ton lots, \$5.75 cwt.

MEDICINAL FOODS, REMEDIES, ETC. FOR DOGS—ALL POSTPAID

KAL-FOS. A bone builder, preventive of rickets, tonic and anti-acid for mother animals. 1 lb. cans, 75c, postpaid.

MILLER'S VITAMIL. A ration of vitamins and minerals, to be mixed with daily ration at the rate of 1 percent. 8 oz. cans, 75c, postpaid.



PULVEX. A flea and louse powder positively unequalled. One application will stop scratching. 2 oz. can, 50c; 12 oz. pkg. \$1.25; 5 lb. pkg. \$6.00. Postpaid.

FFRENCH VERMICIDE CAPSULES. No. 1, grown dogs, box of 8 for 50c; box of 20 for \$1.00.

FFRENCH VERMICIDE CAPSULES. No. 2, puppies, box of 10 for 50c; box of 25 for \$1.00.

FFRENCH VERMICIDE CAPSULES. No. 3, very young puppies, box of 30 for \$1.00.

FFRENCH TAPEWORM CAPSULES. Box of 20 Capsules for \$1.00.

FFRENCH TONIC GLOBULES. Box of 100 for \$1.00.

FFRENCH LAXATIVE GLOBULES. Box of 100 for \$1.00.

FFRENCH ENERTIC GLOBULES. Box of 100 for \$1.00.

FFRENCH ANTISEPTIC POWDER, for the eyes. \$1.00.

FFRENCH ANTISEPTIC POWDER, for the ears. \$1.00.

FFRENCH FLEA AND LICE POWDER. 4 oz. box, \$1.00.

FFRENCH CEDAR DOG SOAP. 4 oz. box, 50c.

Special Ranch and Kennel Sizes Used By Many Fox Farms

FFRENCH VERMICIDE CAPSULES. No. 1, box of 100, \$4.00; 500 for \$18.00.

FFRENCH VERMICIDE CAPSULES, No. 2, box of 100, \$3.00; 500 for \$13.00.

FFRENCH VERMICIDE CAPSULES, No. 3, box of 100, \$2.50; 500 for \$10.00.

FFRENCH TAPEWORM CAPSULES, No. 1, box of 500 for \$18.00.

NOTE: Distributors are not permitted to carry the last four sizes in stock. Send us your order, with remittance, we wire order to factory to be shipped direct to you.

CLAYTON'S DOG MEDICINES. The following are 60c, postpaid.

Mange, Skin Lotion, Distemper and Colds, Condition Pills, Chorea, Anti-Acid, Laxative, Worm Pills, Tape Worm, Vermifuge Liquid, Vermifuge Soft Capsules, Worm Bullets, Canker, Eye Lotion, Nerve Sedative, Cough Syrup, Puppy Tonic, Rheumatic, Diarrhoea; and Goitre Remedy, \$1.00. The following soaps are 25c: Shampoo, Killflea, Cream Soap. Killflea Powder, 35c.



NEMA WORM CAPSULES. (Chemically tested Tetrechloroethylene.)

No. 188, toy dogs and fox cubs, box of 12, 25c; 50 for 60c.

No. 187, small adult dogs, box of 12, 35c; 50 for \$1.00.

No. 189 medium sized adult dogs, box of 12, 60c; 50 for \$2.00.

No. 190, adult dogs, box of 12, 75c; 50 for \$2.50.

No. 191, small puppies, box of 12 for 30c; 50 for 75c.

SERGEANT'S DOG AND CAT REMEDIES. The following are 60c each, postpaid: Condition Pills, Sure-Shot Capsules, Sure Shot Puppy Capsules, Sure-Shot Liquid, Chorea, Diarrhoea, Coughs and Colds, Rheumatism, Tapeworm, Canker, Mouth Wash, Pepsin Tablets, Liniment, Eye Wash, Laxative. The following are \$1.20 each, postpaid: Running Fits, Distemper, Mange, 65c. The following are 25c each: Disinfectant, Carbolic Tar Soap, Skip-Flea Soap, Skip-Flea Powder.

CLAYTON'S CAT REMEDIES. All 60c each, postpaid: Mange, Distemper Liquid or Powder, Catnip Tonic, Chorea, Anti-Acid, Laxative, Worm Tablets, Tape Worm, Vermifuge Liquid, Canker, Eye Lotion, Fits, Cough Syrup, Diarrhoea, Mouth Wash.

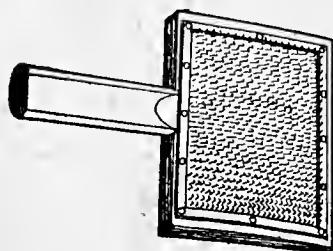
Cheer up Old Pal!

When it's hard to whistle or smile or sing
And the world seems dark and sad,
There's your faithful dog beside your chair
Trying hard to make you glad.
How he wags his tail as he licks your hand;
For he's doing his best to say:
"Cheer up, old pal! There's a path to joy,
And I'll help you find your way."

You've a cheery chum in your friendly dog
When you're hopelessly crushed and blue;
And you always know in his loyal heart
There's a deep warm spot for you.
You're a god to him and he worships you
In trials or sadness or mirth
And he asks no pay but his food each day
While he adds to your joys on earth.

Miscellaneous Dog Supplies

Rubber Play Balls. Medium size 15c, postpaid 20c; large size 25c, postpaid 30c.
Rubber Bones. Pure, live rubber that dogs cannot destroy. 25c each postpaid.



Wire Brushes, for Boston Terriers	Postpaid \$0.60
Wire Brushes, for Chows	Postpaid 1.00
Wire Brushes, for Pekinese	Postpaid .75
Wire Brushes, for short hair dogs	Postpaid .60
Wire Brushes, for long hair dogs	Postpaid .90
Wire Brushes, 10 assorted brushes	Postpaid 7.00
Craftsman Brush, No. 2	Postpaid 1.20
Craftsman Wood Handle Rake	Postpaid .45
Dog Chains. No. 870, 4½ ft., light weight, piano wire	Postpaid .15
Dog Chains. No. 1203, 6 ft. medium length, piano wire	Postpaid .35
Lead Chains. No. 2, 6 ft., medium weight, with hand grip	Postpaid .30
Tie Out Chain, 15 ft., light but strong	Postpaid .60

Postpaid

Dog Collars, No. 6 round, lengths 12-14-16 inches	\$0.70
Dog Collars, No. 7 round, lengths 14-16-18 inches .....	.90
Dog Collars, No. 00, lengths 6-8-10-12 inches .....	.25
Dog Collars, No. 600, lengths 8-10-12-14 inches .....	.35
Dog Collars, No. 1000, lengths 12-14-16-18-20 inches .....	.65
Combs, stripping, No. 5, length 4½ inches	1.25
Combs, No. 9, heavy, for long haired dogs .....	.65
Combs, No. 10, heavy, for wire haired dogs .....	.90
Combs, No. 12, medium teeth .....	.35
Combs, No. 14 for fine haired dogs....	.45
Harness, red or green, state girth measurement	1.00

Postpaid

Leads, No. 523, 4 ft., with snap and handhold	\$ 1.20
Muzzles, assorted styles and sizes, each, 25c to	1.50
Rubber Doughnuts, to aid development of teeth .....	.15
Rubber Weiners .....	.15
Rubber Squealing Rats .....	.15
Rubber Dog Heads, playthings .....	.25
Slickers, rubber, size 10 in. to 20 in. measure distance from root of tail to base of neck; red	1.00
Sweaters, wool, 10 in. to 20 in., two color, \$1.25 to	1.75
Whips, No. 25, black, for training and correcting .....	.35
Pedigree Blanks, 12 for 15c; 25 for 30c; 50 for 50c; 100, bound in neat book form	1.00
Sani-Bones, mineral treated, polished bones .....	.65

Cat Foods and Supplies

Calo Cat Food. 1 lb. cans 15c each; \$1.50 doz.; case of 48 for \$5.50.
Chappel's Kit-E-Ration. 6 oz. cans 10c each, \$1.00 dozen; add postage. 1 lb. cans 16c each, \$1.65 doz.; add postage.
Klippy Cat Food. 5 oz. cans 10c each, \$1.10 doz.; add postage.
Catnip, Dried, Summit Brand. Large pkg. 15c postpaid.

Catnip Balls, hollow, perforated ball, filled with catnip. 20c postpaid.
Catnip Mice, imitation mice filled with catnip. 10c each postpaid.
Catnip Seed, Special packets 10c. Grow your own supply and have it fresh.
Combs. For styles and prices see list under Miscellaneous Dog Supplies.

Q-W DOG REMEDIES

The whole Q-W line will be found satisfactory in every way. The life of your pets may depend on having the proper remedy on hand. **Q-W Hand Book,** describes all remedies, FREE.

Q-W Verminol. Disinfectant and vermin killer. Pint \$1.25; quart \$2.00.
Q-W Dog Soap. Cake form. Per cake 35c; 3 for \$1.00.
Q-W Flea Powder, Per box \$1.00.
Q-W Flea Oil and Coat Grower. Pint \$1.00; quart \$1.75.
Q-W Condition Powder. Conditioner, regulator, aids digestion, mange, eczema, etc. Regular size \$1.00; kennel size \$3.00.
Q-W Constipation Pills. Per bottle \$1.00.
Q-W Phosphated Cod Liver Oil Compound with Lime. Pint \$1.25; quart \$2.00.
Q-W Tonic and Red Blood Builder. Per bottle \$1.00.
Q-W Distemperol. 6 oz. bottle \$2.00; 12 oz. bottle \$3.50.

Q-W Book. All about dogs. Each \$1.00.
Q-W Mange Lotion. 8 oz. bottle \$1.00; quart \$3.25; gallon \$12.00.
Q-W Mange and Flea Soap. Regular size \$1.00; kennel size \$3.00.
Q-W Sulphur Compound Solution. Regular size \$1.00; large size \$1.75.
Q-W Healing Salve. Regular size \$1.00; kennel size \$3.00.
Q-W Worm Mixture. 4 oz. bottle \$1.00; 16 oz. bottle \$2.50.
Q-W Worm Capsules. Per box 65c.
Q-W Tape Worm Mixture. 2 oz. bottle \$1.00; 6 oz. bottle \$2.50.
Q-W Fit and Sedative Tablets. Per bottle \$1.25.
Q-W Rheumatism Tablets. Per bottle \$1.00.
Q-W Liniment. Per bottle \$1.25.
Q-W Diarrhoea and Dysentery Tablets. Per bottle \$1.25.
Q-W Ear Canker Lotion. Per bottle \$1.25.
Q-W Breeding Tablets. Regular size \$2.00; kennel size \$6.00.
Q-W Eye Salve. Per jar \$1.00.

Toy Tropical Fish

You will get more "kick" out of a bowl or aquarium of tropical fish than anything else you may have in your home.

Would you believe that some of these midgets, $1\frac{1}{4}$ inches long, give birth to live babies, from ten to fifty at a time, and that ten minutes after birth, these tiny mites are seeking food and learning to dodge their enemies?



Angel Fish

Book on Tropical Fish. "The A. B. C. of Tropical Fish," 25c each, postpaid.

Guppyi (Rainbow Fish.) Male is less than 1 inch long; female larger and bulkier. Live bearer, producing 8 to 25 live babies every 42 days. **Matured pairs 50c.**

Swordtails, Mexican. Very beautiful live bearing fish with green sword-like tail. Adults are from $1\frac{1}{2}$ to 2 inches long. From 20 to 60 live babies every 60 days. **Matured pairs \$1.75.**

Red Moons. Sparkling red live bearers. Show up in striking contrast to green plants in the aquarium. Very beautiful. **\$2.00 pair.**

Blue Moons. Brilliant ultra-marine with several bars of dark navy blue; live bearers. **\$2.00 pair.**

Sailfins. Largest and hardiest of the live bearers. About 3 inches long. Mauve-gray with broken black lines. Male has dorsal fin over half size of body. Fins and tails iridescent green and blue. **\$1.75 pair.**

Cardinal Fish. Not truly a tropical, but live with either gold fish or tropicals. **\$1.00 pair.**

Silver Tetra. A deep-bodied fish with fine silver scales overlaid with sheen of green and blue. Deposits eggs on plants in aquarium. **\$3.00 pair.**

Zebra Fish (Danio rerio.) Marked with horizontal stripes of deep blue and yellow. **\$2.50 pair.**

Giant Danio. Popular because of its attractive coloring and lively movements. Silver, with horizontal stripe sometimes pink and sometimes metallic blue. **Pair \$2.00.**

Angel Fish. The aristocrat of the aquarium. See illustration above. Silver, with black bands. **\$5.00 to \$10.00 pair.**

Tropical fish, being sensitive to cold, are usually shipped during warm weather. Winter shipments are possible, by means of thermos cans. If wanted by mail, write for particulars.

Aquatic Plants For Tropical, or Gold Fish

A luxuriant growth of aquatic plans is necessary to the well-being of tropicals and adds greatly to the appearance of any aquarium. The varieties listed below are easily grown by simply placing ends of plants in thoroughly washed sand in the bottom of the aquarium.

Cabomba. Glossy green, fan-like leaves. Stems red or green.

Anacharis. One of the most active oxygenators. Long stems with bright green, short leaves.

Ludwigia. Highly ornamental, rather broad leaves.

Myriophyllum. Rapid growing grass-like plant, feathery and bright green.

Sagittaria (Broad Leaf.) Rapid grower and attractive.

Vallisneria (Dwarf.) Probably the best plant for all varieties of fish. Once rooted in sand on the bottom of aquarium, will spread sufficiently to cover the bottom. Medium narrow green leaves with reddish cast.

WHARTHORN, Very firm and wirey, beautiful, bright green. **The Best.**

Prices for Aquatic Plants. Generous bunch of any of the above, for only **15c, postpaid 20c.** Not less than 15c portion of any variety mailed.

TROPICAL FISH FOODS—All Prepaid

"Justrite" Tropical Fish Food. Shaker top can **15c.**

Imported Pure Shrimp. Shaker top can **15c.**
Baby Tropical Fish Food. Shaker top can **15c.**

Infusoria Producer. Shaker top can **25c.**

"Tujoe" Tropical Fish Food, **20c.**

Spratt's Tropical Fish Food, **20c.**

Spratt's "Zeke," **15c.**

Goldfish Foods. Natural Fish Food. **10c pkg.; 1 doz. for \$1.00, postpaid.** Wafer Fish Food **10c pkg.; 1 doz. for \$1.00, postpaid.**

Aquarium Scavengers. These servants work without pay and will keep your aquarium clean and pure. They are attractive, interesting, and necessary to obtain a "balanced" effect. In keeping tropical fish the water is never changed, and plant life and some form of scavengers are necessary.

Japanese Live Bearing Snails. Big fellows, often the size of a silver dollar. **25c each.**

African Snails. Good workers, medium size. **10c each, \$1.00 doz.**

Pond Snails. **10c each.** Assorted sizes **75c doz.**

Potomac Snails. **10c each.** Assorted sizes **75c doz.**

Weather Fish. The steam dredge of the aquarium. They are busy all day long washing and cleaning the sand and gravel on the bottom of the aquarium. Interesting and useful. **35c each.**

Coral Snails, Ramshorns, Tadpoles and Salamanders in season.

Baby Turtles. Becoming more popular daily. The children enjoy them and find them interesting and instructive. Easily kept in a dish or pan with sand and water. **25c each, postpaid 35c.**

Turtle Tanks. Small glass tanks, just the thing for keeping turtles. **75c each, postpaid for 90c.** Baby Turtle and Tank postpaid for **\$1.00.**

Gold Fish

Globes, Aquariums and Supplies



GOLD FISH are shipped by express in tin pails—12 fish will travel safely in a 15c (2 quart) pail. Please include remittance for pail with order.

- Small Goldfish, 1½ to 2 inches, 10c each; \$1.00 doz.
- Medium size, 2 to 2½ inches, 15c each; \$1.50 doz.
- Medium large, 3 inches, 20c each; \$2.00 doz.
- Large, 4 inches, 25c each; \$2.50 doz.
- Japanese Fantails, 2 to 4 inches, 25c to 75c each.
- Red Telescopes, 2 to 3 inches, 35c to 75c each.

Black Telescope (Chinese Moor)
Black Telescopes (Cinese Moors.) Will live equally well with gold fish in cold water, or with tropicals in warm water. 35c to \$1.00 each. These Black Moors are certainly an attraction when placed with any other fish. They are jet black, active, and most peculiar in appearance.

FISH GLOBES SUPER QUALITY (Shipment by Express)

The following shapes are in stock in clear glass; round, in all sizes; drum shaped squat and special, in half gallon, gallon and 2 gallon sizes. Prices are the same for any shape. Shipped express, charges **Not prepaid**.

	Quart	Half Gallon	Gallon	2 Gallon	Gallon
Clear glass, each	\$0.20	\$0.25	\$0.55	\$1.20	\$2.00



ALL-GLASS AQUARIUMS

CLEAR GLASS ONLY

- No 411—1½ gal. capacity\$1.65 each
 - No. 80—3 gal. capacity 3.95 each
- Not prepaid.**



THE "SUPREME" AQUARIUM. Polished Aluminum frame, bulb-edge glass. A very attractive aquarium.

- No. 103, 2.5 gals. 14x9¼x8 in.\$ 7.00
- No. 106, 5.8 gals. 20x11x10 in. 9.50
- No. 111, 11.0 gals, 26x12¼x12¼ in. 15.00



THE "CRYSTAL" AQUARIUM. Non-rust steel frame, enameled green, blub-edge glass. A beauty.

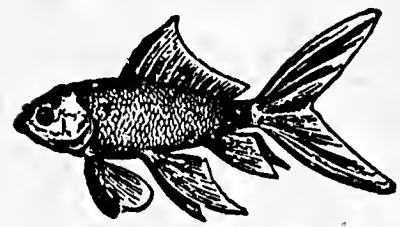
- No. 015, 1.5 gals. 10¼x6¼x7½ in.....\$2.50
- No. 026, 2.6 gals. 12x7½x7½ in..... 3.90
- No. 036, 4.0 gals, 16¼x6¼x11 in..... 6.00
- No. 042, 4.2 gals. 14x8x10 in..... 5.30
- No. 060, 6.0 gals, 17x9½x10 in. 6.70

THE "MARINE" AQUARIUM. Non-rust metal frame. double strength glass, very adaptable for school or home use.

- No. 3, 3.2 gals. 12x8x9 in.\$2.90
- No. 4, 3.7 gals. 14x8x9 in. 3.25
- No. 5, 5.0 gals. 16x8x11 in. 4.75
- No. 7, 7.6 gals. 18x10x11 in..... 5.75
- No. 8, 8.5 gals. 20x10x11 in..... 6.60
- No. 10, 10.0 gals. 20x11x13 in. 7.00

All aquariums shipped by parcel post or express **Not prepaid**. No charge for packing.

AQUARIUM ORNAMENTS, CASTLES AND SUPPLIES



- CASTLES, fancy shapes and colors.**
- | | | |
|----------------------------|--------|-----------------|
| Average 2 inches high..... | \$0.15 | Postpaid \$0.20 |
| 2½ inches high..... | .25 | Postpaid .30 |
| 3 inches high..... | .30 | Postpaid .35 |
| 4 inches high..... | .35 | Postpaid .40 |
| 5 inches high..... | .40 | Postpaid .45 |
| 6 inches high..... | .50 | Postpaid .60 |
- Mermaids, porcelain15 Postpaid .20
 - Corals, highly colored 30c to 50; postpaid 35c to 60c
 - Water Lilies, artificial..... .15 Postpaid .20
 - Porcelain Fish15 Postpaid .20
 - Nets..... .20c to 25c; postpaid 25c to 30c
 - Aquarium Books. "The Modern Aquarium," Innes & Sons. \$1.00 postpaid.

AQUARIUM SUPPLIES—Continued

AQUARIUM CEMENT. "Kuhl's" 1 lb. cans, 50c; 2 lb. cans, 90c; 5 lb. cans, \$2.00; 12½ lb. cans, \$4.00.

AQUA ROCK. A scientific product which gradually liberates oxygen and neutralizes acid condition of the water. Generous pkg. 15c, postpaid.

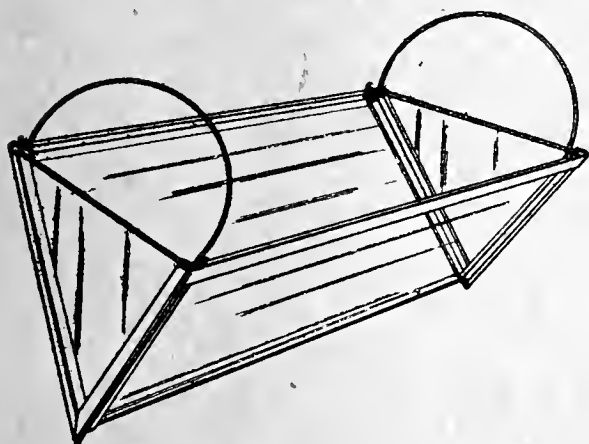
DIP TUBES. 14 in. long, for cleaning sediment. 45c each, by mail, 55c.

FEED RINGS. Glass. Small size, 15c; large size, 20c; add 5c for postage.

NETS. 4 in. knit, 25c. 2½ in. cloth, for tropic-als, 15c. Add 10c for postage.

SYPHONS, Glass, automatic, 80c. add 10c for postage.

THERMOMETERS. Floating, 45c; by mail, 55c.



BREEDING TRAPS. A necessity if you are to save the majority of your baby tropicals. \$1.00 each; \$1.10 postpaid.

GLASS CLEANERS. Keep aquarium glass clean without disturbing plants, etc. 35c; by mail, 45c.

AQUARIUM SAND. Clean, washed, and baked sand of correct size for plant growth. 1 lb. 5c; Not postpaid.

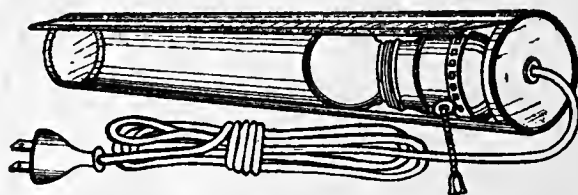
AQUARIUM FERTILIZER TABLETS. Will make water plants grow vigorously. 5c each; 50c doz.; 100 for \$2.50. Postpaid in doz. lots. Directions with every package.



"STARFISH." A decorative, and necessary item to furnish oxygen and keep water sweet and properly balanced as to acid conditions. 15c each; by mail 20c.

"CESPPABA" TABLETS. The Miracle Tablet, that kills Fish Lice, the Hydra, and many other enemies of gold and tropical fish. Use one tablet to every 8 gallons of water. Directions for use with each order. 20c each; 3 for 50c; 7 for \$1.00. Postpaid.

AQUARIUM REFLECTORS. Beautify your aquarium by proper lighting. \$1.25 each. By mail, \$1.35.



AQUARIUM HEATERS. Very necessary for tropical fish unless your room temperature can be held to 70 degrees. Breeding will be much more successful if a temperature of 78 degrees is maintained. The Riverside Automatic Heater, adjusted to 78 degrees, \$2.00; by mail, \$2.25.

NOTE: One of the best, and most easily raised, foods for tropical fish is the ENCHYTRAE, a small white earth worm multiplying rapidly in damp soil, leaf mould, or peat moss. We will sell a generous portion for 50c; postpaid for 65c, and all that is necessary to raise them by the thousands is to place them in a box containing soil, leaf mould, or peat moss, keep slightly moist, and place in a warm location, 60 degrees will do. An occasional feeding of stale bread soaked in milk will keep them going indefinitely. These tiny worms are said to cure most ailments of gold or tropical fish.

LILY POOLS AND FISH PONDS

Thousands of Lily Pools and Fish Ponds have been built in the last two or three years, and thousands more will be built this year. A small portion of your yard, devoted to a pool, will give you more real "kick" and pleasure than anything we can think of. We will be glad to help design your pool or pond.

We carry all sizes of fish for pools, as well as water lilies and aquatic plants. Fountain size Gold Fish, 25c to 35c each, \$2.50 to \$3.00 dozen.

WATER LILIES, Yellow, White and Pink, \$1.00 each, postpaid. One of each, \$2.75 postpaid.

Named varieties of Water Lilies. Prices on request.

WATER HYACINTHS. 20c each; 3 for 50c; 7 for \$1.00. Postpaid.

Wonderful Singing Canaries

BRIGHTEN UP YOUR HOME WITH A BEAUTIFUL SINGING CANARY

PRICES THE LOWEST SINCE THE WAR



GRADE A-1 Imported Roller Canaries, \$6.00 each.

GRADE A-1 Imported Hartz Mt. Singers, \$5.00 each.

GRADE A-1 Orange Warblers, beautiful both in color and song, \$6.00 each.

DOMESTIC Canary Singers, \$3.50, \$4.00, \$5.00 according to grade.

FEMALE CANARIES, Imported Roller Hens, \$2.50 to \$3.50; Imported Hartz Hens, \$2.00 to \$3.00; Orange Warbler Hens, \$2.50 each. Domestic Hens, \$1.00 to \$1.50 each.



GREEN SHELL PARRAKEETS, \$5.50 pair. Single bird, male or female, \$3.00.

YELLOW PARRAKEETS, \$6.00 pair.

TURQUOISE BLUE PARRAKEETS, \$7.50 pair.

All Parrakeets are state inspected and come to us with certificate of health.

BOOK—"Parrakeets for Pleasure and Profit," tells all about raising these interesting birds. 50c postpaid.

BIRD SEED IN BULK. Best possible grades of clean, fresh seeds.

Simpson's Roller Bird Seed Mixed, the best grade for singers.

1 lb. \$0.15	10 lbs. \$1.00	If by mail, add postage at zone rates. See page 62
2 lbs. .25	25 lbs. 2.25	
5 lbs. .55	50 lbs. 3.75	

Simpson's Superior Blend Bird Seed, with pearl millet.

1 lb. \$0.10	10 lbs. \$0.75
3 lbs. .25	25 lbs. 1.80
5 lbs. .40	50 lbs. 3.50

Canary, imported, priced same as Roller Bird Seed.

Rape, sweet, priced same as Roller Bird Seed.

Hemp, imported, 1 lb. 10c; 3 lbs. 25c; 10 lbs. 75c; 25 lbs. \$1.80; 50 lbs. \$3.50; 100 lbs. \$6.00.

Ground Hemp Seed. Excellent for baby birds, 1 lb. 25c; 5 lbs. for \$1.00.

Millet, 1 lb. 5c; 6 lbs. 25c; 10 lbs. 40c; 25 lbs. 75c; 50 lbs. \$1.25; 100 lbs. \$2.00.

Flax Seed, re-cleaned, 1 lb. 10c; 3 lbs. 25c; 10 lbs. 75c.

Poppy Seed, (Blue Maw), 1 lb. 25c; 5 lbs. \$1.00; 10 lbs. \$1.80.

Thistle Seed, (Niger), imported, 6 oz. 25c; 1 lb. 40c.

Lettuce Seed, 1 lb. 25c; 5 lbs. \$1.00.

Parrakeet, or Love Bird Seed, our own formula. 1 lb. 15c; 5 lbs. 55c.

Unhulled Rice, 1 lb. 20c; 5 lbs. 90c.

Simpson's Perfect Blend Wild Bird Seed.

Just the thing for all wild, seed eating, birds. Mixed without ground corn, rich in HEMP and other heat and strength producing seeds. 1 lb. 5c; 6 lbs. 25c; 13 lbs. 50c; 28 lbs. \$1.00; 50 lbs. \$1.60; 100 lbs. \$2.75.

NOTE: None of the above seeds or feeds are priced prepaid. Please add postage if wanted by mail. See page 62 for Parcel Post rates.

MISCELLANEOUS BIRD REQUISITES

BIRD SAND AND GRIT, in bulk

Gray Sand, clean and screened

White Bird Grit, contains proper proportions of calcium carbonate, magnesia, etc.

10 lbs.....	\$0.30
25 lbs.....	.65
50 lbs.....	1.20
10 lbs.....	.40
25 lbs.....	.90
50 lbs.....	1.75

Postpaid \$0.50

Postpaid 1.00

Postpaid 1.80

Postpaid .60

Postpaid 1.25

Postpaid 2.35

CUTTLEBONE, bulk. 4 to 6 inch select pieces (average 50 to the pound), 10c each, 3 for 25c; ¼ lb. 25c, postpaid 30c; ½ lb. 45c, postpaid 50c; 1 lb. 75c, postpaid 85c.

SUNFLOWER SEED, for parrots, re-cleaned. 1 lb. 15c, postpaid 25c; 5 lbs. 55c, postpaid 75c; 8 lbs. \$1.00, postpaid \$1.20.

CEDAR NUTS, for parrots, a welcome addition to their diet. 1 lb. 35c, postpaid 45c; 5 lbs. \$1.50, postpaid \$1.70.

PULVEX

We have recently found what we consider the answer to the age-old question—How can I get rid of bird lice? PULVEX FOR CANARIES will do the work. ¾ oz. pkg. for 25c, postpaid 30c. Directions for use on can.

SPECIAL NOTICE

In ordering any of the package feeds or supplies on these pages, where postpaid prices are not quoted, add for postage 10c if but one item is ordered, 5c for each item when 3 or more items are ordered, or 4c for each item when 6 to 10 items are ordered. In lots of 12 or more we will prepay postage.

Simpson's Package Seeds and Remedies Not Postpaid.

Simpson's Mixed Bird Seed, carton....	\$0.15	Simpson's Mite Powder, carton	\$0.15
Simpson's Roller Bird Seed, carton....	.15	Simpson's Mite Liquid, bottle .....	.25
Simpson's Song Restorer, carton....	.25	Simpson's Bird Tonic, bottle .....	.25
		Simpson's Bird Grit, carton.....	.10

The "JUSTRITE" LINE of Foods and Supplies

FREE Justrite Bird Book with every Justrite order

We consider this one of the most complete and best supply lines. Not postpaid.

Justrite Honey Roll	\$0.10
Justrite Honey Roll with bell.....	.15
Justrite Rol-Er-Ka-Nar-E Bird Seed..	.25
Justrite Imported Bird Seed .....	.20
Justrite Love Bird Seed (Parrakeet)..	.20
Justrite Wild Grass Seed.....	.20
Justrite Parrot Food with Crackers...	.25
Justrite Bird Gravel, brown.....	.10
Justrite Silver Bird Gravel.....	.10
Justrite Gravel Paper, 9" circles, 12 for	.25
Justrite Gravel Paper, 10", 12 for....	.25
Justrite Gravel Paper, 11", 12 for....	.25
Justrite Gravel Paper, 12", 12 for....	.25
Justrite Gravel Paper, 7"x9", 12 for...	.25
Justrite Gravel Paper, 9"x11", 12 for..	.25
Justrite Song Restorer .....	.25
Justrite Vitamine Health Food.....	.25
Justrite Moulting Food .....	.25
Justrite Color and Pepper Food.....	.25
Justrite Egg and Nestling Food.....	.15
Justrite Bird Tonic .....	.25
Justrite Bird Bitters .....	.25
Justrite Iron Tonic .....	.25
Justrite Parrot Tonic .....	.25
Justrite Lice Powder .....	.10
Justrite Bird Wash .....	.25
Justrite Cage Cleaner .....	.25
Justrite Lice Destroyer Kit.....	.65
Justrite Cuttlebone, large, with holder.	.10
Justrite Cuttlebone, small, with holder	.05
Justrite Canary Food Packet.....	.49
Justrite Feather Pulling Remedy.....	.25
Justrite Balm for Baldness.....	.25
Justrite Bird Jelly .....	.25
Justrite Bird Salve .....	.15
Justrite Flake Bird Charcoal .....	.10
Justrite Crushed Oyster Shells .....	.10
Justrite Bird Nesting, brown.....	.10
Justrite Bird Nesting, white.....	.10

KAEMPFER'S BIRD SUPPLIES

Not Prepaid.

Kaempfer's Highballs, 15c, 2 for.....	\$0.25
Kaempfer's New Birdolene .....	.25
Kaempfer's Asthma Remedy .....	.25
Kaempfer's Foot Ointment .....	.25
Kaempfer's Bird Remedy, tonic.....	.25

HALLER'S BIRD SUPPLIES

Not Prepaid

Haller's Canary Bird Pie, 15c; 2 for..	\$0.25
Haller's Dutch Song Restorer, large size	.25

Geisler's Bird Feeds

and Supplies Not Prepaid.

Geisler's Roller Bird Seed	\$0.25
Geisler's Tonic, A, song restorer .....	.25
Geisler's Tonic, B, for diarrhoea .....	.25
Geisler's Tonic, C, for colds .....	.25
Geisler's Tonic, D, general .....	.25
Geisler's Bird Biscuit .....	.15
Geisler's Medicated Biscuit .....	.25
Geisler's Moulting Food..	.20
Geisler's Parasite Cure ..	.25
Geisler's Health Food .....	.20
Geisler's Vegetable Extract .....	.25
Geisler's Parrot Tonic....	.25



Geisler's Products

Philadelphia Bird Food Co.'s Supplies

Not Prepaid

Bird Manna, 15c; 2 for 25c; 6 for....	\$1.70
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SPRATT'S BIRD SUPPLIES

Not Prepaid.

Spratt's Bird Tonic	\$0.25
Spratt's Canarydine (asthma)25
Spratt's Color Food .....	.25
Spratt's Egg Flake and Fruit.....	.25
Spratt's Nestling Food.....	.15
Spratt's Song Restorer .....	.25
Spratt's Sing-Song, 15c; 2 for.....	.25

FRENCH BIRD SUPPLIES

Not Prepaid

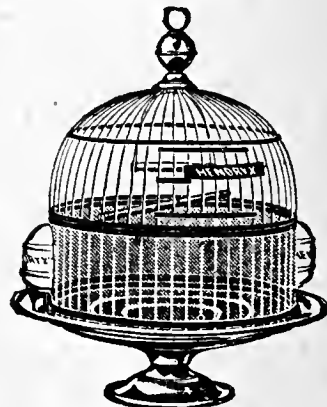


French's Bird Seed With Biscuit	\$0.15
French's Bird Biscuit, 15c; 2 for .....	.25
French's Canary Tint..	.25
French's Mite Powder .....	.25
French's Coloring Pepper .....	.25
French's Nestling Food .....	.30
French's Nestling Hair .....	.10
French's Bird Ointment .....	.25
French's Song Restorer .....	.20
French's Bird Tonic..	.25
French's Bird Gravel..	.15

BIRD CAGES

Not Prepaid

No. 274, 10 1/4 in. diameter, \$3.00.	
No. 275, 11 in. diameter, \$3.45.	
No. 276, 11 3/4 in. diameter, \$3.90.	
No. 2274 Series, same size as No. 274 series above, but with wide bottom rail and no pedestal base.	
No. 2274	\$3.15
No. 2275	3.60
No. 2276	4.05



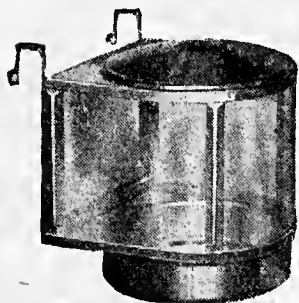
No. 274 Series

BREEDING CAGES

No. 86-S, 14 x 17 1/4 x 8 3/4 in.....	\$5.25
No. 86, 14 3/4 x 19 1/2 x 10 in.....	5.85
No. 87, 16 1/4 x 22 x 11 in.....	6.50

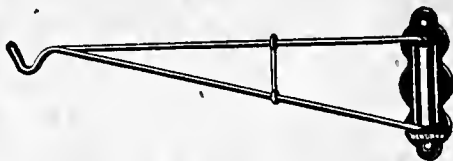
STANDS FOR CAGES. We carry an assortment from \$1.75 to \$6.50. We will be glad to describe and price stands on request.

Miscellaneous Bird Supplies



Delta Bath House

ADD POSTAGE WHEN
WANTED BY MAIL



Bracket



Style O



No. 1904

Bath Dishes. Oval, glass or porcelain.....	\$0.15
Bath Houses, Delta. Brass.....	.75
Bath Houses, Delta. Colored green, blue, red, orange or white .....	.60
Birdie Baths. Hang inside cage door, fold up when not in use .....	.25
Bird Whistles. Celluloid, teach birds to sing.....	.20
Bird Books. Canary Breeding and Training.....	.35
Bird Books. Feathered Pets.....	.35
Swinging Brackets. 10 in. brass or nickel plated....	.20
Swinging Brackets. 12 in. brass or nickel plated....	.25
Cage Bells. Canaries like them; 2 for 25c.....	.15
Cage Covers. Fancy colored cretonne.....	.65
Cage Covers. Fancy colored satine.....	.75
Cage Guard Cloths. Fancy colored cretonne.....	1.00
Cage Guard Cloths. Fancy colored satine.....	1.25
Cups for seed and water, "single point," 2 for 25c..	.15
Cups for seed and water, style "O," 2 for 25c.....	.15
Cups for seed and water, No. 1904, 2 for 25c.....	.15
Cups for breeding cages, No. 1916.....	.20
Cups for parrot cages, tinned cast iron, self-locking spring .....	.50
Treat Cups (small food holders), fit in any cage be- tween the bars. 80c doz.; 3 for 25c.....	.10
Crystal Fountain, fits any cage.....	.75
Cuttle Bone Holders.....	.10
Guard Wire, keeps bird from scattering seed— 3½ in. cut to order. Per foot.....	.40
5 in. Per foot.....	.50
Nests, tinned wire.....	.10
Nest Eggs, closely imitate a canary egg. 3 for 25c..	.10
Nesting Hair, white or brown. Per pkg.....	.10
Leg Bands for canaries. 2 for 5c; doz.....	.25
Perches, tapered, set of three for.....	.25
Perch Material, proper size, 3 foot length.....	.10
Powder Guns, empty .....	.15
Powder Guns, filled with insect powder.....	.25
Springs, solid brass, No. 140, for stands.....	.15
Springs, brass, with 2 foot ladder chain, adjustable..	.30
Springs, solid brass, No. 16.....	.15
Springs, brass plated, No. 160.....	.10
Swings, for round brass cages.....	.35
Swings, for brass or enameled cages.....	.15



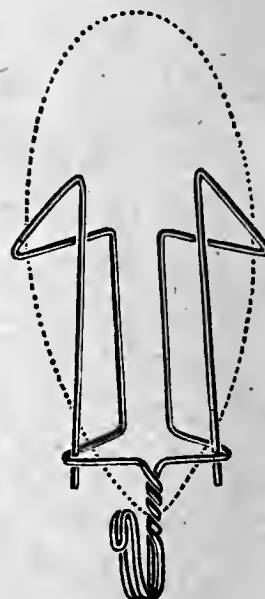
No. 140



No. 1916



No. 16-160



Cuttle Bone
Holder

HOW TO COMPUTE PARCEL POST POSTAGE

Many items in this catalog are quoted "Postage Prepaid," and when so priced, we pay postage. We have endeavored to mark every item either "Postage Prepaid" or "Postage, Express, or Freight Extra" so that there may be no doubt in your mind whether or not you should include postage.

When postage is extra it is best to include same in your remittance, as it costs you 12c plus a 5c return charge, to have a parcel post matter sent C. O. D.

The following table offers a simple, convenient way to compute parcel post postage:

Local Zone, Denver, 7c for first pound, 1c for each additional 2 pounds.
1st and 2nd Zones (within 150 miles from Denver). Number of pounds plus 7 cents.
3rd Zone (150-300 miles from Denver). 2 times number of pounds plus 7 cents.
4th Zone (300-600 miles from Denver). 4 times number of pounds plus 6 cents.
5th Zone (600-1,000 miles from Denver). 6 times number of pounds plus 3 cents.
6th Zone (1,000-1,400 miles from Denver). 8 times number of pounds plus 2 cents.
7th Zone (1,400-1,800 miles from Denver). 10 times number of pounds plus 2 cents.
8th Zone (over 1,800 miles from Denver). 12 times number of pounds plus 1 cent.

EXAMPLE: You live 280 miles from Denver and are ordering merchandise weighing 12 pounds. You are in zone 3, and postage would be: 12 times 2 equals 24 cents, plus 6 cents equals 30 cents.

NOTE: Limit of weight for delivery within the first, second and third zones is 70 pounds; to all other zones the limit is 50 pounds. If weight exceeds these figures it is necessary to make two or more packages and figure postage on each package.

GUARANTEE: We offer only merchandise in which we have confidence, but cannot be responsible for the results, as there are too many circumstances over which we have no control, such as weather, insect pests, etc., etc.; therefore, we give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop.

Simpson Seed and Floral Co.

[illegible]

Simpson Seed & Floral Co.

DENVER, COLORADO

When ordering items that are not priced "Postpaid" please include postage at regular zone rates (see page 62.) We do not advise C. O. D. shipments because of the 17c collection charge made by the postoffice Department.

Date.....193.....

Please forward the following articles to:

Name.....

Postoffice.....

County.....State.....

Send by.....

(Mail, Express or Freight)

Amount Enclosed

\$.....

[illegible]

PEONY ROOTS

Prices Lower Than Ever Before

ALL POSTPAID 3-5 EYE DIVISIONS

Because of an overproduction of PEONIES we are offering CHOICE VARIETIES at prices seldom, if ever, equalled for economy.

CULTURE. Peonies do best in an open, sunny location, though they may be grown anywhere except in complete shade. They may be planted in the spring or fall, in any good soil. Avoid planting too deeply. Never cover the "eyes" more than 2 inches. To do so will delay blooming for several seasons. Fertilize two or three times during the season with VIGORO, a small handful around each hill scratched under the surface. When necessary to move, or divide a hill of peonies, cut or break roots into small divisions. Planting a large clump will not produce the best results.

WHY WE RECOMMEND GOOD PEONIES. Because we buy a Peony root to last a life-time. It is not uncommon for a hill, or clump, of Peonies to live and bloom beautifully for 25 to 50 years. Surely it would be a mistake to buy, plant, and care for, a scrawney variety that would be a doubtful pleasure to its owner. By this we do not refer to the size of the root. Relatively small divisions are better than extra large roots, because extra large roots will carry old dead wood that often interferes with quick

growth. Divisions containing 3 to 5 "eyes" are best.



PEONIES YOU WILL BE PROUD TO OWN

Canari. Pure White with Pink outer guards, 35c each; 3 for \$1.00.

Delicatissima. A clear light pink, large, full bloom. 35c each; 3 for \$1.00.

Edulis Superba. Deep, bright mauve-pink. One of the finest. 35c each; 3 for \$1.00.

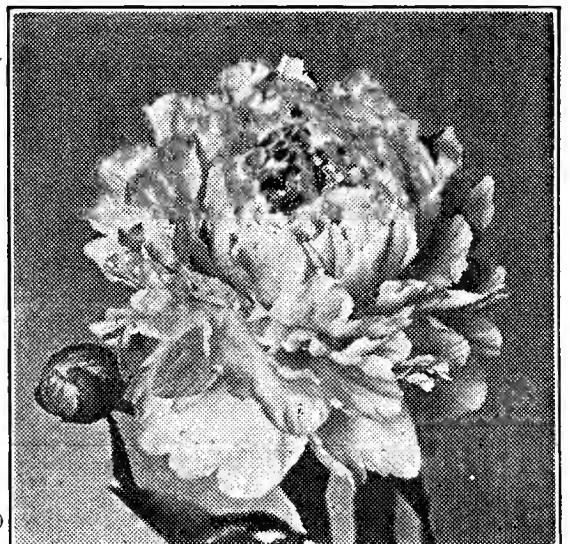
Felix Crouse. Brilliant, dazzling ruby-red. Rated as the best of the reds. 50c each; 3 for \$1.25.

Festiva Maxima. An extra large white, tips of petals dotted with red flecks. 35c each; 3 for \$1.00.

Grandiflora Alba. A magnificent white, 35c each; 3 for \$1.00.

Louis Van Houtte. Deep Crimson. A beauty. 50c each; 3 for \$1.25.

Prince of Wales. Deep flaming red. 50c each; 3 for \$1.25.



ONE JOY YOU CAN AFFORD IS A BEAUTIFUL LAWN AND GARDEN

DEPEND ON
VIGORO
THE SQUARE
MEAL FOR
LAWNS
AND
GARDENS

USED BY
MORE THAN
3,000,000

CLEAN
ODORLESS
ECONOMICAL



Enjoy Better Lawns, Flowers and Gardens By Using

VIGORO

VIGORO PRICES AGAIN REDUCED

100lb BAG \$4.00	50lb BAG \$2.50	25lb BAG \$1.50	F. O. B. Denver: If By Mail, Please Include Postage at Zone Rate
10lb PKG. 85c	5lb CARTON 50c	10 oz PGK. 10c	

Complete directions in every bag. See page 35 for further description

**OTHER VIGORO SPREADERS ARE ILLUSTRATED AND DESCRIBED
ON PAGE 36**

THIS SMALL
SPREADER is
Guaranteed to apply
VIGORO to your
satisfaction — only
\$1.65 complete.



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